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## ABSTRACT

This quarterly publication announces the availability of instructional materials acquired and processed by the Educational Resources Information Center (ERIC) Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators involved in curriculum development or the use of instructional materials in the teaching-learning setting. Each abstract, a condensation of the report in about 200 words, usually includes the means used to develop the material, the setting for use of the material, and source of available copies. Abstracts are included under the following sections: Agricultural, Business and Office, Distributive, Health Occupations, Home Economics, Industrial Arts, Technical, Trade and Industrial, and General Vocational and Technical Education. An author index, document number index, and subject indexes are provided. Most of the documents which have not been announced in "Research in Education," are available as a separate microfiche set from the ERIC Documents Reproduction Service (VT 011 850). Others are available from the source identified in the abstract. (CD)

ED0 42930

# **ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION SUMMER 1970**

**ERIC**

**CLEARINGHOUSE ON  
VOCATIONAL AND  
TECHNICAL EDUCATION**

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The Center for Vocational and Technical Education has been established as an independent unit on The Ohio State University campus with a grant from the Division of Comprehensive and Vocational Education Research, U. S. Office of Education. It serves a catalytic role in establishing consortia to focus on relevant problems in vocational and technical education. The Center is comprehensive in its commitment and responsibility, multidisciplinary in its approach, and interinstitutional in its program.

The major objectives of The Center follow:

1. To provide continuing reappraisal of the role and function of vocational and technical education in our democratic society;
2. To stimulate and strengthen state, regional, and national programs of applied research and development directed toward the solution of pressing problems in vocational and technical education;
3. To encourage the development of research to improve vocational and technical education in institutions of higher education and other appropriate settings;
4. To conduct research studies directed toward the development of new knowledge and new applications of existing knowledge in vocational and technical education;
5. To upgrade vocational education leadership (state supervisors, teacher educators, research specialists, and others) through an advanced study and inservice education program;
6. TO PROVIDE A NATIONAL INFORMATION RETRIEVAL, STORAGE, AND DISSEMINATION SYSTEM FOR VOCATIONAL AND TECHNICAL EDUCATION LINKED WITH THE EDUCATIONAL RESOURCES INFORMATION CENTER LOCATED IN THE U. S. OFFICE OF EDUCATION.

Abstracts of  
Instructional Materials  
in  
Vocational and Technical Education  
SUMMER 1970

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## PREFACE

Abstracts of Instructional Materials in Vocational and Technical Education (AIM) and the companion publication Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) announce the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. AIM includes abstracts of materials typically designed for teacher use or student use in the classroom, and annotations of bibliographies or lists of instructional materials. It will be of particular interest to teachers, curriculum specialists, supervisors and administrators involved in the use of instructional materials in the teaching-learning setting, or in curriculum development. ARM incorporates abstracts of research and other materials which are useful to a wide audience of users such as researchers, supervisors, teacher educators, education specialists, administrators, teachers and others who have an interest in vocational and technical education. These publications prepared by the ERIC Clearinghouse on Vocational and Technical Education are published quarterly beginning with the Fall 1967 issue.

The ERIC Clearinghouse on Vocational and Technical Education is a division of the Center for Research and Leadership Development in Vocational and Technical Education located at The Ohio State University and is one of the clearinghouses of the Educational Resources Information Center (ERIC-USOE). With the growth of vocational and technical education programs, there is an increasing need for accessible information that can be used in developing logical chains of reasoning for research activities, for improving school practices and for shortening the theory-practice gap. This Clearinghouse is striving to provide a useful and vital function in dissemination of information on vocational and technical education. ARM and AIM give visibility to a document-based information system which constitutes an on-going data bank of research and resource materials in vocational and technical education. Following are some of the benefits derived from this data base:

- \* A central source of information to be reviewed and synthesized into state-of-the-art papers, critical reviews, interpretive papers, etc.
- \* A resource which includes different kinds of materials, e.g., instructional materials, descriptive reports, survey reports, dissertations, conference proceedings, program plans or procedures, research reports.
- \* Provision for availability of primary source materials through the ERIC Document Reproduction Service (EDRS) and/or other distribution agencies.
- \* A source of bibliographies and a resource for development of bibliographies.
- \* A source of materials for different user groups (i.e., administrators, supervisors, teacher educators, teachers, legislative and advisory bodies) with information needs in such diverse areas as teaching and learning, manpower needs and requirements, research design and methodology, evaluation.

Since this Clearinghouse is a component of a larger information system, ERIC, it is logical that certain similarities among publications exist. In this regard the format of ARM and AIM is similar to that of Research in Education (RIE)<sup>1</sup>, the primary publication of the Educational Resources Information Center (ERIC). RIE

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<sup>1</sup>Research in Education is published 12 times a year. The first issue was no. 1, November 1966. Subscription: Domestic \$21.00 a year; foreign \$5.25 additional. Single copy: Domestic, \$1.75. Send check or money order (no stamps) to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

includes abstracts from all ERIC Clearinghouses. The abstracts of materials reported in AIM relate specifically to the educational field of vocational and technical education and constitute a segment of ERIC, the national information system for American education.

In addition to the two quarterly publications, Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), and Abstracts of Instructional Materials in Vocational and Technical Education (AIM), other publications will be issued from time to time. These will typically concern themselves with reviewing and synthesizing information in specific areas of vocational and technical education, e.g., Review and Synthesis of Research in Technical Education; Agricultural Education; Home Economics, etc., and with reviewing and synthesizing information related to topical areas such as the economics of vocational and technical education.

We are indebted to our colleagues within the profession for their cooperation in forwarding materials to the clearinghouse and for their suggestions and comments which have materially assisted in the development of this program. We anticipate further refinement and improved procedures with the continued assistance of our advisory committee.

Robert E. Taylor  
Director

## INTRODUCTION

### Organization of ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION

Abstracts of Instructional Materials in Vocational and Technical Education relies upon two basic formats--resumes and indexes--to serve the browser and those seeking specific information. The resumes are organized according to vocational service groupings in the first section of the document. Under each grouping, the resumes are arranged by Vocational Technical (VT) number which is an identification number assigned to reports as they are processed. Resumes contain an abstract which indicates the contents of a document in two hundred words or less. Additional components of a resume are explained in a diagram on page ix immediately preceding the resume section.

Several indexes are located after the resume section to provide specific approaches to documents reported in the resume section. These indexes are:

Subject and Identifier Index  
Personal and Institutional Author Index  
Document Number Index  
Conversion of Document Number (VT to ED or MP, ED or MP to VT)

All of the indexes refer to page numbers in this publication to enable the reader to quickly locate any resume of interest.

### Availability of AIM

AIM is published quarterly (Fall, Winter, Spring, Summer). The first issue began Fall 1967. At this time the four issues for the period Fall 1967 - Summer 1968 and the AIM-ARM Annual Indexes are available only on microfiche or facsimile copy. Annual subscriptions are available beginning with Fall 1968. Microfiche or facsimile copy for all previous issues may be ordered from ERIC Document Reproduction Service, The National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014. Please write to EDRS for order forms.

ED 013 337	Fall 1967 AIM	MF - \$ .75	or	HC - \$ 9.35
ED 015 336	Winter 1967 AIM	MF - \$1.00	or	HC - \$10.50
ED 017 745	Spring 1968 AIM	MF - \$ .75	or	HC - \$ 9.95
ED 020 441	Summer 1968 AIM	MF - \$ .75	or	HC - \$ 8.95
ED 022 064	AIM-ARM Annual Index 1967-68	MF - \$ .50	or	HC - \$ 6.30
ED 023 936	Fall 1968 AIM	MF - \$ .75	or	HC - \$ 9.30
ED 028 302	Winter 1968 AIM	MF - \$ .75	or	HC - \$ 8.45
ED 030 769	Spring 1969 AIM	MF - \$ .75	or	HC - \$ 8.70
ED 032 433	Summer 1969 AIM	MF - \$ .75	or	HC - \$ 8.30
ED 034 075	Fall 1969 AIM	MF - \$ .75	or	HC - \$ 8.90
ED 036 652	AIM-ARM Annual Index 1968-69	MF - \$ .50	or	HC - \$ 5.80
ED 037 584	Winter 1969 AIM	MF - \$ .75	or	HC - \$ 8.50

Subscriptions for hard copy may be initiated with the Fall 1968 issue, or subsequent issues. Send order indicating quarter and year that subscription is to begin to:

AIM-ARM  
ERIC Clearinghouse  
The Center for Vocational and Technical Education  
1900 Kenny Road  
Columbus, Ohio 43210



## Availability of Materials Reported in AIM

A basic concept of the ERIC system is to make known the availability of the full text of materials abstracted. Most of the materials processed into the ERIC system with an ERIC Document (ED) number will be available from the ERIC Document Reproduction Service (EDRS) in the form of microfiche or facsimile copy. There is an EDRS availability line with each abstract which indicates if a document may be obtained from EDRS. Microfiche or facsimile copy must be ordered by ED (ERIC Document) number since EDRS is not set up to respond to requests for materials by subject, author, or title. If a document is not available from EDRS, the agency and address from which the document may be obtained is in the resume. AIM and ARM indexes can be used to determine ED numbers which relate to problem areas. Always check the most current issue of RIE in the section, How to Order ERIC Document Reproductions for the latest price schedules and ordering procedure for microfiche (MF) and facsimile copy, called hard copy (HC).

Materials with ED numbers are announced in Research in Education (RIE) as well as AIM or ARM. These are available as individual documents through EDRS or another source. Documents with VT numbers only are not announced in RIE but are included in AIM and ARM. They are not available as individual documents from EDRS but as part of a VT-ERIC set. Microfiche for an individual document in one of these sets is obtainable only through purchase of the set or from agencies that have this set and have the capability of reproducing microfiche. Reports in these sets are identified in the resume by the phrase MF AVAILABLE IN VT-ERIC SET. The documents are grouped in VT number sequence in the microfiche set for each issue of AIM or ARM. Each set is announced in RIE under a single (ED) number. The Fall 1967 - Summer 1968 Microfiche Collections contain documents with VT numbers only and ED documents. Beginning with Fall 1968, the microfiche set contains the documents which have only VT numbers. Thus the microfiche collection for a particular issue of ARM now contains the items in that issue of AIM which have the statement, MF AVAILABLE IN VT-ERIC SET, in the resume. These sets may be ordered from EDRS. Information to be used in ordering the sets for AIM follows:

### AIM Microfiche Collections

<u>AIM</u>	<u>ED Number</u>	<u>Microfiche</u>
Fall 1967	ED 013 339	\$22.25
Winter 1967	ED 015 349	\$40.25
Spring 1968	ED 017 746	\$54.00
Summer 1968	ED 020 442	\$53.00
Fall 1968	ED 022 971	\$38.50
Winter 1968	ED 028 305	\$41.00
Spring 1969	ED 030 770	\$58.00
Summer 1969	ED 032 434	\$86.00
Fall 1969	ED 034 074	\$70.00
Winter 1969	ED 037 585	\$58.75

It should be noted that organizations which have standing orders with EDRS for the total microfiche collections in RIE will automatically receive the ARM and AIM microfiche collections. If an organization wishes to order only the materials abstracted by VT-ERIC which are announced in RIE and are on microfiche, a standing order may be initiated with EDRS for a VT-ERIC package. This package will automatically include the ARM and AIM microfiche collections. Contact EDRS for information about cost of current or retrospective VT-ERIC packages.

Availability Key for Materials Reported in AIM

<u>Accession Number</u>	<u>Availability on Microfiche</u>
ED number supplied	ERIC Document Reproduction Service (EDRS) provided that the information is shown on EDRS price line.
ED appears with reference to an RIE issue (e.g., ED (See Aug. '69 RIE)	If a price is given for microfiche, the fiche is unavailable from EDRS (at time of printing) until an ED number is assigned and published in RIE. The issue of RIE in which the abstract is scheduled to appear follows the ED prefix. After assignment of numbers has been made by Central ERIC, the Conversion of Document Number Index in each succeeding issue of AIM will include numbers for documents listed with an ED and RIE date in the previous issue.
VT number only supplied	Available on microfiche in VT-ERIC set from EDRS as indicated.
Items not available through EDRS or in a VT-ERIC set will usually have a source of availability cited on the availability line in the abstract.	

ERIC Document Reproduction Service (EDRS)

The ERIC Document Reproduction Service (EDRS) is operated by The National Cash Register Company. Request order forms from:

EDRS  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Prices for microfiche and/or hard copy undergo occasional changes which become effective when announced in Research in Education. EDRS prices cited in AIM and ARM reflect the prices in effect at the time of publication. Retrospective use of AIM and ARM requires attention to the most recent price schedules and ordering information which is available in a current issue of RIE.

Scope of the Clearinghouse

The Clearinghouse on Vocational and Technical Education is responsible for acquiring, processing, and disseminating through the ERIC system, research reports, instructional materials, information analysis products and other resource materials related to vocational and technical education. In addition to this general area, coverage includes the specific occupational fields of agricultural education, business and office occupations education, distributive education, health occupations education, home economics education, technical education, trade and industrial education, and new sub-professional fields. The clearinghouse scope also encompasses the related fields of industrial arts education, manpower economics, occupational

psychology, and occupational sociology. The following subject categories when specifically oriented to vocational-technical education and its related fields are included in the scope of the clearinghouse: administration and supervision, curriculum, employment and occupations, evaluation and measurements, facilities and equipment, historical studies, individuals with special needs, instructional materials and devices, philosophy and objectives, research design and development, occupational guidance and other student personnel services, students, teachers, teacher education, teaching and learning.

#### Acquisitions

The adequacy of information in this publication, as well as other services of this clearinghouse, is directly related to the extensiveness of the information acquired and processed into the system. This Clearinghouse has assumed the initiative in obtaining as much of the available information as possible. However, it is impossible for any organization to achieve complete and comprehensive coverage of a field as vast as vocational education without the cooperation and assistance of the profession. The growth and ultimate effectiveness of the system require supplemental efforts of its users. Any person in the vocational or technical field is invited to forward to the Clearinghouse two copies of items relating to vocational-technical education for possible inclusion in the system. Questions relating to this endeavor should be directed to the Acquisitions Specialist at the Clearinghouse.

#### Abbreviations

AIM	<u>Abstracts of Instructional Materials in Vocational and Technical Education</u>
ARM	<u>Abstracts of Research and Related Materials in Vocational and Technical Education</u>
ED	ERIC Document
EDRS	ERIC Document Reproduction Service
ERIC	Educational Resources Information Center
HC	Hard copy
MF	Microfiche
RIE	<u>Research in Education</u>
VT	Vocational-Technical

Accession Number--an identification number sequentially assigned to reports as they are processed

Author(s)--the individual(s) who prepared the report.

EDRS Price--price of the document through the ERIC Document Reproduction Service. 'MF' means microfiche; 'HC' means hardcopy.

Report Number

If item cited appeared originally in a journal, a journal citation would appear here.

Publication Date

Total number of printed pages in the report, including cover and appendices.

Identifier, if any--acronyms, geographical areas, conferences, organizations, tests (e.g. Binet), etc. Only the major identifiers preceded by an asterisk are printed in the index.

Abstract--a condensation of the report in about 200 words. When applicable, it includes the purpose, means of development, subject-matter content, teacher competency, student requirements, and description of supplementary materials if available.

VT 002 079 ED 017 657

Karnes, James B.

Medical Record Technology, A Course of Study Designed for Cooperative Part-Time Students Employed in Medical Record Libraries.

Missouri State Dept. of Education, Jefferson City, Industrial Education Section  
Missouri Univ., Columbia, Dept. of Industrial Education

EDRS PRICE MF-\$0.75 HC NOT AVAILABLE FROM EDRS.

Industrial Education, 103 Industrial Education Building, University of Missouri, Columbia, Missouri 65201 (\$1.50).

Pub Date - Aug64 136p.

\*STUDY GUIDES; \*HEALTH OCCUPATIONS EDUCATION, GRADE 11, POST SECONDARY EDUCATION, ASSIGNMENTS; \*COOPERATIVE EDUCATION; STUDENT RECORDS; \*MEDICAL RECORD TECHNICIANS

Designed for use by eleventh grade cooperative part-time students employed in medical record libraries, this guide may also be used in area vocational or post-high school settings. It was developed by a consultant committee, teacher educators, and research assistants at the state level and revised after use in the field...  
.....An analysis of medical record technology and progress records to be completed by the employer, teacher, and student are included. The material should be used with related instruction for individual students by a qualified coordinator or competent health occupations teacher. (JK)

If ED is followed by numbers, item has been announced in Research in Education. If ED is not followed by numbers, the issue of RIE in which the abstract is scheduled to appear follows the ED prefix.

Title of report.

Institutional source--the organization responsible for the report.

Sponsoring Agency--would appear here if different than Institutional Source.

Grant Number and Program Area Number would also appear on this line.

Commercial, institutional, and other sources of availability if known at time of printing. Cost is included.

Descriptors--the subject terms assigned by an indexer to characterize the contents of a report. Only the major terms, those preceded by an asterisk, are printed in the index.

Abstractor's Initials.

#### Availability Key for Materials Reported in AIM

##### Accession Number:

##### Availability on Microfiche

ED number supplied

ERIC Document Reproduction Service (EDRS) provided the information is shown on EDRS price line.

ED appears with reference to an RIE issue (See Nov. '69 RIE)

If a price is given for microfiche, the fiche is unavailable from EDRS (at time of printing) until an ED number is assigned and published in RIE. The issue of RIE in which the abstract is scheduled to appear follows the ED prefix. After assignment of numbers has been made by Central ERIC, the Conversion of Document Number Index in each succeeding issue of AIM will include numbers for documents listed with an ED and RIE date in the previous issue.

VT number only supplied

Available on microfiche in VT-ERIC set from EDRS as indicated.

Items not available through EDRS or in a VT-ERIC set will usually have a source of availability cited on the availability line in the resume.

# ERRATA

1. In VT 009 180, appearing on page 364 of AIM Spring 1970, the identifier was erroneously listed as VOCATIONAL INDUSTRIAL ARTS CLUBS OF AMERICA. The correct identifier is:  
VOCATIONAL INDUSTRIAL CLUBS OF  
AMERICA
2. In VT 009 678, appearing on page 345 of AIM Spring 1970, the price statement should read:  
DOCUMENT NOT AVAILABLE FROM EDRS.

# TABLE OF CONTENTS

	Page
PREFACE . . . . .	111
INTRODUCTION. . . . .	v
ABSTRACTS . . . . .	463
Agricultural Education Section. . . . .	463
Business and Office Education Section . . . . .	479
Distributive Education Section. . . . .	483
Health Occupations Education Section. . . . .	489
Home Economics Education Section. . . . .	495
Industrial Arts Education Section . . . . .	517
Technical Education Section . . . . .	575
Trade and Industrial Education Section. . . . .	523
General Vocational and Technical Education Section. . . . .	547
INDEXES . . . . .	551
Subject and Identifier Index. . . . .	552
Personal and Institutional Author Index . . . . .	580
Document Number Index . . . . .	593
Conversion of Document Number Index . . . . .	600
SOURCE LIST . . . . .	604

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AGRICULTURAL  
EDUCATION  
SECTION

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VI\_000\_275

Gaspard, Curren J., And Others

A Training Program for Vocational Agriculture in Agricultural Service.

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.  
Louisiana State Univ., Baton Rouge

PUB DATE - 64 97p.

\*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*OFF FARM AGRICULTURAL OCCUPATIONS;  
\*SERVICE OCCUPATIONS; AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; BUSINESS  
SKILLS; GRADE 11; GRADE 12

Prepared in a 6-week curriculum workshop concerned with developing training programs for off-farm agricultural occupations, this curriculum guide is for use in planning and implementing 11th- and 12th-grade courses in agricultural services through a team-teaching approach. Contents of the 520-hour course include seven instructional units grouped under these general subject areas: applied agricultural mechanics, applied agricultural production, and applied business principles and procedures basic to agricultural service. Unit headings are: (1) Farm Mechanics, (2) Agronomy, (3) Advanced Animal Husbandry, (4) Advanced Plant Husbandry, (5) Forage Crops, (6) Forestry Management, and (7) Farm Management. Objectives, content, time allotment, competencies to be developed, student motivation and activities, teaching outline and suggestions, references, and evaluations are given for each unit. (AW)

VI\_000\_277

Burns, James L., And Others

A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.  
Louisiana State Univ., Baton Rouge

PUB DATE - ND 135p.

\*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; OFF FARM AGRICULTURAL OCCUPATIONS; \*SOIL  
CONSERVATION; \*FORESTRY; \*FIELD CROPS; GRADE 11; GRADE 12

Developed in a 6-week curriculum workshop by vocational agriculture instructors and instructors of supporting services, this guide is for teacher use in planning and implementing 11th and 12th grade training programs for off-farm employment in crops, forestry, and soil conservation. Contents of the 520-hour course include 15 units grouped under the general headings of applied agriculture mechanics, applied agriculture production, and applied business principles and procedures basic to crops, forestry, and soil conservation. Some representative unit titles are: (1) Farm Survey, (2) Welding, (3) Grading, Processing, and Storing of Crops and Forestry Products, (4) Forestry Management and Soil Conservation, (5) Human Relations Involved in Successful Performance in Jobs Related to Crops and Forestry Products, (6) Business Mathematics, (7) General Principles of Business, and (8) Legal Information. Units include content, time allotment, objectives, competencies to be developed, student motivation, teaching suggestions and outline, student activities, references and teaching aids, and evaluation. (AW)

VI\_000\_279

Burns, Van H., And Others

A Training Program for Vocational Agriculture in Farm Service.

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.  
Louisiana State Univ., Baton Rouge

PUB DATE - ND 164p.

\*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*OFF FARM AGRICULTURAL OCCUPATIONS;  
\*SERVICE OCCUPATIONS; GRADE 11; GRADE 12

Prepared in a 6-week curriculum workshop to develop training programs for off-farm agricultural occupations, this curriculum guide is designed to aid in planning and implementing 11th and 12th grade courses in farm service. Under the three general subject areas of agricultural mechanics, agricultural production, and business principles and procedures basic to farm service, 21 instructional units covering 520 hours are provided, including units on: (1) Small Engines and Equipment, (2) Farm



Welding, (3) Farm and Home Conveniences and Sanitation, (4) Farm Surveying, (5) Breeding of Livestock, (6) Feeding Livestock and Poultry, (7) Farm Custom and Rental Services, (8) Sanitation Policies and Regulations, (9) Planning Farmstead and Layout, (10) Processing and Distributing Agricultural Products, and (11) Orientation and Scope of Farm Services. Units contain content, objective, time allotment, competencies to be developed, student motivation and activities, teaching outline and suggestions, references, and evaluation. (AW)

VT\_000\_280

Donaldson, C. Fred, And Others

A Training Program for Vocational Agriculture in Farm Supplies and Equipment.

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.

Louisiana State Univ., Baton Rouge.

PUB DATE - ND 166p.

\*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*OFF FARM AGRICULTURAL OCCUPATIONS; \*AGRICULTURAL SUPPLIES; \*EQUIPMENT; GRADE 11; GRADE 12

Prepared in a 6-week curriculum workshop concerned with developing high school training programs in off-farm agricultural occupations, this guide is intended for teacher use in planning and implementing courses in farm equipment and supplies for grades 11 and 12. Contents of the 520-hour course include 18 instructional units grouped under the general subject areas of applied agricultural mechanics, applied agricultural production, and applied business procedures and principles basic to farm supplies and equipment. Some units covered are: (1) Livestock Equipment and Supplies, (2) Agricultural Hardware, (3) Feeds, (4) Fertilizers, (5) Agricultural Chemicals, (6) Pet Market and Veterinarian Supplies, (7) Garden Centers, (8) Orientation to Supervised Occupational Experience Program, (9) Financial Record Keeping and Procedures, and (10) Agricultural Salesmanship. Each unit provides content, objective, time allotment, competencies to be learned, student motivation and activities, teaching outline and suggestions, references, and evaluation. Teaching aids and film and filmstrip sources also are given. (AW)

VT\_000\_281

Burns, James L., And Others

A Training Program for Vocational Agriculture in Ornamental Horticulture.

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.

Louisiana State Univ., Baton Rouge

PUB DATE - ND 135p.

\*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*ORNAMENTAL HORTICULTURE; \*ORNAMENTAL HORTICULTURE OCCUPATION; \*OFF FARM AGRICULTURAL OCCUPATIONS; AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; BUSINESS SKILLS; GRADE 11; GRADE 12

Designed to aid in planning and implementing 11th and 12th grade ornamental horticulture courses, this curriculum guide was prepared in a 6-weeks curriculum workshop responsible for developing training programs for off-farm agricultural occupations. Designed for a team-teaching approach, the 17 instructional units are grouped under three general headings: applied agricultural mechanics, applied agricultural production, and applied business principles and procedures basic to ornamental horticulture. Unit topics include: (1) Selection, Care, Operation, and Maintenance of Small Engines and Equipment, (2) Using and Caring for Ornamental Plants, Materials, and Landscape Structures, (3) Landscape Design, (4) Growing Horticultural Plants, (5) Establishing and Caring for Lawns and Turf, (6) Recognizing and Controlling Plant Pests, (7) Human Relations, (8) General Principles of Business, and (9) Legal Information. Each unit gives objectives, content, student motivation and activities, time allotment, competencies to be developed, teaching outline and suggestions, references and teaching aids, and evaluation. (AW)

VT\_000\_367

Sellers, L.L.; Lewis, H.N.

Beef Cattle Production, Sales and Service (A Student Study Guide). Agribusiness Education Series.

Alabama State Dept. of Education, Montgomery. Agricultural Education Service

PUB DATE - Feb66 14p.

\*STUDY GUIDES; \*CATTLE; ANIMAL SCIENCE; LIVESTOCK; AGRICULTURAL PRODUCTION; \*VOCATIONAL AGRICULTURE; MARKETING; SERVICES; SECONDARY GRADES

Secondary students can use this as a supervised or individual study guide. It lists study questions for breeding, feeding, management, marketing, livestock services, and laws applicable to livestock farming. Suggested learning activities and additional references are given for each topic. A course outline is VT 000 368, also in this issue. (EM)

VT 000 368

Sellers, L.L.; Lewis, H.N.

Beef Cattle Production, Sales and Service (A Specialized Course Outline for Vocational Agriculture Students).

Alabama State Dept. of Education, Montgomery. Agricultural Education Service

PUB DATE - 66 13p.

\*VOCATIONAL AGRICULTURE; AGRICULTURAL PRODUCTION; MARKETING; SERVICES; SUPERVISED FARM PRACTICE; AGRICULTURAL ENGINEERING; \*CURRICULUM GUIDES; \*CATTLE; LIVESTOCK; SECONDARY GRADES

FUTURE FARMERS OF AMERICA; FFA

Teaching units are outlined for the following topics: (1) occupational opportunities, (2) breeding, (3) feeding, (4) management, (5) marketing, (6) livestock services, (7) legislation and regulation, (8) supervised practice, (9) farm mechanics, (10) Future Farmers of America contests and awards, and (11) leadership training. Suggested laboratory experiences and references to a 28 item bibliography are given for each unit. A student study guide is VT 000 367, also in this issue. (EM)

VT 000 528

Hutchinson, James

Suggestions for Orienting Vocational Agriculture Students to Employment Opportunities in Farm Based Businesses and Agencies (A Unit of Instruction Providing Basic Information about Non-Farm Agriculture). Ag. Ed. no. 5.

Louisiana State Univ., Baton Rouge. Dept. of Vocational Agricultural Education  
Louisiana State Dept. of Education, Baton Rouge. Vocational Agricultural Section

PUB DATE - Feb65 167p.

\*VOCATIONAL AGRICULTURE; \*SUPPLEMENTARY TEXTBOOKS; EMPLOYMENT TRENDS; \*OCCUPATIONAL INFORMATION; \*OFF FARM AGRICULTURAL OCCUPATIONS

The increasing complexity of the work world and its consequent requirement of changing secondary school programs dictated the content of this textbook for high school students. The information is presented in textual form for student use and organized into six lessons with a topical outline preceding each lesson. Subject matter includes: (1) population and work, (2) youth and work, (3) job outlook for youth in agriculture, (4) employment information, (5) agricultural business organization, and (6) agricultural business operations. Examples, tables, graphs, and text are used to convey the information. (JM)

VT 000 544

A Program of Farm Management Education for Family Farm Operators.

Saint Cloud Area Vocational School, Minn.

Minnesota State Dept. of Education, St. Paul. Vocational Education Section

Area Vocational Agriculture Coordinator, Technical High Building, Saint Cloud, Minnesota.

PUB DATE - ND 10p.

\*PROGRAM GUIDES; \*FARM MANAGEMENT; PROGRAM DEVELOPMENT; \*ADULT FARMER EDUCATION; \*FARMERS; \*FARM ACCOUNTS; AREA VOCATIONAL SCHOOLS

The purpose of this material is to introduce to farm families the farm management instructional program existing in high schools and area vocational schools in the state. The document defines farm management, lists program objectives, explains class schedules, describes course content, explains the farm business analysis service, and describes the relationship to cooperating agencies. (JM)

VI\_001\_432

Clark, Raymond, And Others  
Demonstrations in Ornamental Horticulture and Plant Science.

Michigan State Univ., East Lansing. Coll. of Education

PUB DATE - 66 71p.

\*AGRICULTURAL EDUCATION; \*ORNAMENTAL HORTICULTURE; \*ORNAMENTAL HORTICULTURE OCCUPATION;  
\*DEMONSTRATIONS (EDUCATIONAL); \*TEACHING GUIDES; PLANT PROPAGATION; PLANT SCIENCE;  
GLOSSARIES; PICTOGRAPHS; ILLUSTRATIONS

Designed by an instructional materials specialist in cooperation with technical authorities at Michigan State University, these educational demonstrations may be used by teachers or students in studying the principles of propagation, plant growth, and the effect of environment on plants. Demonstrations include: (1) Seed Sowing, (2) Seed Germination, (3) Watering, (4) Propagation of Bulbs, (5) Potting and Transplanting, (6) Construction and Preparation of Propagating Systems, (7) Making Cuttings of Herbaceous Plants, (8) Asexual Propagating and Grafting, (9) Forcing Bulbous Plants, (10) The Use of Soil as Culture to Determine Mineral Nutrients of Plants, (11) The Effect of Light Intensity on Plant Growth, (12) The Effect of Photoperiod on the Flowering of Herbaceous Plants, (13) The Effect of Temperature on Vegetative Growth, (14) The Effect of Temperature on the Flowering of Herbaceous Plants, (15) Growth Regulators, (16) Fertilizer Application, and (17) Plant Breeding Techniques and Sexual Propagation. Demonstrations may be conducted in a greenhouse or on a classroom growing table. Objectives, materials, precautions, procedures, and applications are given for each demonstration. The document is illustrated with drawings and photographs and a bibliography and glossary are appended. (DM)

VI\_002\_386

McClure, W.W.

Farm Arc Welding, Advanced; A Guide for Course Planning. Adult Farmer Education in Vocational Agriculture. AF 2.2-B.

North Carolina State Board of Education, Raleigh. Curriculum Lab.

PUB DATE - Jan65 30p.

\*CURRICULUM GUIDES; \*AGRICULTURAL EDUCATION; \*ADULT FARMER EDUCATION; \*AGRICULTURAL ENGINEERING; \*WELDING; FARMERS; WELDERS; CURRICULUM PLANNING

Developed by a professor of agricultural engineering and revised by a curriculum materials specialist, this course outline is designed to aid teachers of adult vocational agriculture courses in providing advanced experiences in the use of arc welding and its application to farm construction and repair. Topics covered in the 24-hour course include: (1) Introduction and Review--Arc Welding Process, (2) Striking an Arc and Running a Bead, (3) Electrodes, (4) Metals, (5) Controlling Distortion, (6) Vertical, Horizontal and Overhead Welding, (7) Cutting, Piercing Holes and Shaping, (8) The Carbon-Arc Torch, Heating, Brazing and Soldering, (9) Shaping and Welding Pipe, Tubing, and Structural Steel, (10) Welding Cast Iron, (11) Hard Surfacing, and (12) Welding Unlike Metals. Suggestions for conducting the course and arrangement of topics also are given. References, resource materials and a topic planning sheet are appended. (AW)

VI\_004\_558

Boykin, William C., Sr., Ed.

Student Teaching in Vocational Agriculture.

Alcorn A and M Coll., Lorman, Miss. Div. of Vocational Education

PUB DATE - Aug65 38p.

\*STUDENT TEACHERS; \*STUDENT TEACHING; \*MANUALS; \*VOCATIONAL AGRICULTURE; \*TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION

Developed to assist student teachers during their field experience, this manual contains: (1) an introduction to student teaching, (2) the Mississippi plan for student teaching, (3) suggestions to student teachers, (4) suggestions to supervising teachers, (5) participating experiences, and (6) suggestions for evaluating and reporting. Forms are included for rating student teachers and surveying a local department of agriculture. The document is mimeographed. (DM)

VI 005\_831

Participating Experiences for Prospective Teachers of Vocational Agriculture.

Iowa State Univ., Ares. Dept. of Education

PUB DATE - 65 27p.

\*STUDENT TEACHERS; \*STUDENT TEACHING; \*MANUALS; \*VOCATIONAL AGRICULTURE; \*TEACHER EDUCATION; PRESERVICE EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; COOPERATING TEACHERS  
IOWA

This list of participating experiences for prospective teachers of vocational agriculture contains: (1) Objectives of Supervised Teaching, (2) Recommended Supervision Procedures, (3) Information the Supervising Teacher Needs Regarding the Trainee, (4) Information the Student Teacher Needs Regarding the School and Community, (5) Establishing Community Relationships, (6) Planning Department Program, (7) Selecting Students, (8) Organizing and Maintaining Physical Facilities, (10) Teaching and Supervising Farming and Employment Training Programs of Day Class Students, (11) Teaching Young and Adult Farmer Classes, (12) Advising an FFA Chapter, (13) Developing a Departmental Guidance Program, (14) Participating in Other School Activities, (15) Keeping Records and Making Reports, (16) Developing, Promoting and Publicizing the Program, (17) Evaluating the Effectiveness of the Program, (18) Administering the Local Department, and (19) Improving Professionally. The document is mimeographed and contains five miscellaneous evaluation report forms. (DM)

VI 007\_182 ED 037 521

Miller, Dwane G., And Others

Transparency Masters for Crop and Weed Identification. Final Report.

Washington State Univ., Pullman

Washington State Coordinating Council for Occupational Education, Olympia  
Office of Education (DHEW), Washington, D.C.

PUB DATE - Jun68 220p.

\*TRANSPARENCIES; \*VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; \*PLANT SCIENCE; \*PLANT IDENTIFICATION; \*WEEDS; AGRONOMY; RESEARCH PROJECTS

Instructional aids produced from these transparency masters and the accompanying narrative may be used by vocational agriculture teachers in presenting courses in plant science. They were developed by subject matter specialists and teacher educators as part of a project designed to test effects of involving vocational agriculture teachers in development and experimental use of instructional materials. Included with the transparencies are introductory material on the project, the method of research, and the results, as well as recommended uses of the masters and teaching suggestions. The transparencies are grouped under five subject areas: (1) General Plant Morphology and Structure, (2) Cereal Crops, (3) Legumes, (4) Grasses, and (5) Weed Identification. Samples of letters and questionnaires used in the research are appended. (AW)

VI 007\_878 ED 028 268

Forest Technology; A Suggested 2-Year Post High School Curriculum.

Office of Education (DHEW), Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(FS5.280:80054, \$1.25).

PUB DATE - Nov68 151p.

\*AGRICULTURAL TECHNICIANS; \*PROGRAM GUIDES; CURRICULUM GUIDES; \*FORESTRY; \*TECHNICAL EDUCATION; \*AGRICULTURAL EDUCATION; PROGRAM CONTENT; EDUCATIONAL FACILITIES; EDUCATIONAL EQUIPMENT; OCCUPATIONAL INFORMATION; PROGRAM DEVELOPMENT; PROGRAM ADMINISTRATION; RESOURCE MATERIALS

Developed by educators, professional foresters, employers, and U.S. Office of Education personnel, this curriculum guide was designed to assist school administrators, advisory committees, supervisors, and teachers in planning and developing new programs or evaluating existing programs in forest technology. The content includes sections on: (1) The Technician's Work, Education, and Opportunities, (2) General Program

Considerations, (3) Faculty, (4) Student Selection and Services, (5) Forest Land, Laboratory Equipment, and Facilities, (6) Textbooks, References, and Visual Aids, (7) Scientific and Technical Societies and Associations, (8) Advisory Committees and Services, (9) The Curriculum, (10) Course Outlines, (11) The Library, (12) Facilities, Equipment, and Cost, and (13) Bibliography. Outlines are included for 12 Technical courses, three mathematics and science courses, five supporting technical courses, and four general courses. The appendix includes a selected list of organizations and associations pertinent to the education of forest technicians. This is a revision of ED 021 063 (VT C05 C19, AIM Winter 1968). (DM)

#### VT 009 665

Selected Reference Books for Departments of Vocational Agriculture. Service Bull. No. 10.

Arizona Univ., Tucson. Dept. of Agricultural Education

PUB DATE - Jan69 20p.

\*BIBLIOGRAPHIES; \*VOCATIONAL AGRICULTURE; \*REFERENCE BOOKS; SECONDARY GRADES

This list is intended to serve as a guide for teachers and administrators in selecting reference books for departments of vocational agriculture in Arizona. Asterisks precede references that are rated as useful in every department library in the state. The bibliographic citations are keyed to a list of publishers and distributors in the front of the book. References are listed for the following major topics with subtopics for most: (1) Agricultural Economics, (2) Agronomy and Soils, (3) Animal Science, (4) Agricultural Mechanization, (5) Future Farmers of America, (6) General Agricultural and Related Subjects, (7) Guidance and Vocations, (8) Horticulture, (9) Insects and Plant Diseases, (10) Professional, and (11) Supervised Farming Programs. This is a revision of Service Bulletin No. 4. announced as VT 000 350 (AIM Fall 1967). (DM)

#### VT 009 666

Selected Bulletins for Departments of Vocational Agriculture. Service Bull. No. 11.

Arizona Univ., Tucson. Dept. of Agricultural Education

PUB DATE - Feb69 30p.

\*BIBLIOGRAPHIES; \*VOCATIONAL AGRICULTURE; \*BULLETINS; \*INSTRUCTIONAL MATERIALS; SECONDARY GRADES

This publication is for use by teachers in selecting reference bulletins for departments of vocational agriculture in Arizona. It lists U.S. Government publications and state agricultural experiment station and extension bulletins and circulars. Bulletins recommended by the author for every department library in Arizona in sufficient quantities for student use are preceded by an asterisk. The bibliographic citations are keyed to a source list in the front of the document. The bulletin listing is classified according to the filing system for Arizona departments of vocational agriculture. (DM)

#### VT 009 712

Agricultural Business: A Curriculum Guide for Agricultural Education.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216 (\$1.50).

PUB DATE - 69 34p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL SUPPLIES; \*AGRICULTURAL SUPPLY OCCUPATIONS; OFF FARM AGRICULTURAL OCCUPATIONS; COOPERATIVE EDUCATION; BIBLIOGRAPHIES; FACILITY GUIDELINES; GRADE 11; GRADE 12

Designed as a 2-year course following Agricultural Science and Mechanics I and II (VT 009 773, also in this issue), this curriculum guide was developed by state staff, reviewed by teachers and professional industry representatives, tested through developmental programs, and refined and approved by a curriculum committee of the state board of education. Teachers and school administrators should use this outline in developing related instruction for an occupational program in agricultural supplies and services. Students should receive a minimum of 160 hours of class instruction per year



and a minimum of 450 hours per calendar year at the agricultural business training station. In addition to the course outlines suggested, curriculum references and instructional aids are appended. (DM)

### VT 009 713

Ornamental Horticulture; A Curriculum Guide for Agricultural Education.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216  
(\$.50).

PUB DATE - 69 50p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*ORNAMENTAL HORTICULTURE;  
\*ORNAMENTAL HORTICULTURE OCCUPATION; GREENHOUSES; BIBLIOGRAPHIES; FACILITY GUIDELINES;  
GRADE 11; GRADE 12; PLANT SCIENCE

The primary purpose of this course is to prepare high school students in the skills and attitudes required for employment in the field of ornamental horticulture and related occupations and to assist students in securing employment and advancement. It was developed by a state staff, reviewed by teachers and professional industry representatives, tested through developmental programs, and refined and approved by a curriculum committee of the state board of education. The outline covers 800 to 900 hours of in-school instruction following agricultural Science and Mechanics I and II (VT 009 733, also in this issue). Students should plan occupational experience in the greenhouse, lathe house, home plot, school plot or nearby ornamental horticulture business. Local advisory groups should be consulted relative to training emphasis given to various aspects of the course. Suggested instructional materials, references, and facility recommendations are appended. Related guides are VT 009 712-VT 009 716, also in this issue. (DM)

### VT 009 714

A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216  
(\$.50).

PUB DATE - 69 42p.

\*PROGRAM GUIDES; \*AGRICULTURAL EDUCATION; \*STATE STANDARDS; \*STATE CURRICULUM GUIDES;  
\*AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; YOUNG FARMER EDUCATION; ADULT FARMER  
EDUCATION; DISADVANTAGED YOUTH

This publication is designed to set forth in condensed form the curriculums for a complete program of agricultural education and to serve as a guide for teachers, counselors, and school administrators in developing instruction. The program of agricultural education provides for 2 years of instruction in basic agricultural science and mechanics. These courses are followed by appropriate optional courses such as agricultural production, agricultural machinery service, agricultural business, agricultural process and marketing, ornamental horticulture, and conservation and forestry. In addition, programs designed for persons with special needs and adults are offered. More specific curriculum outlines are provided in VT 009 712-VT 009 716 and VT 009 773, all in this issue. (DM)

### VT 009 715

Agricultural Production; A Curriculum Guide for Agricultural Education.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216  
(\$.50).

PUB DATE - 69 18p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL PRODUCTION; \*FARMERS;  
GRADE 11; GRADE 12

Developed by state staff personnel, reviewed by teachers and professional industry representatives, tested through developmental programs, and refined and approved by a curriculum committee of the state board of education, this curriculum guide is for use by teachers, counselors and school administrators in course organization and planning for high school vocational agriculture. This program is designed to cover 2 or 3 years, depending upon completion of Agricultural Science and Mechanics I and II (VT 009 773, also in this issue). Course outlines are included to cover 400 to 600 hours of in-school instruction. Students should have an occupational interest in agricultural production. This guide should be used in conjunction with Virginia Polytechnic Institute Agriculture Bulletin No. 17, "Teaching Units for Vocational Agriculture in Virginia," 1962, revised. (DM)

VT 009 716

Agricultural Machinery Service; A Curriculum Guide for Agricultural Education.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216 (\$1.50).

PUB DATE - 69 46p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL MACHINERY;  
\*AGRICULTURAL MACHINERY OCCUPATIONS; \*AGRICULTURAL ENGINEERING; BIBLIOGRAPHIES;  
FACILITY GUIDELINES; GRADE 11; GRADE 12

Developed by state staff personnel, reviewed by teachers and professional industry representatives, tested through developmental programs, and refined and approved by a curriculum committee of the State Board of Education, this high school vocational agriculture curriculum guide is for use by teachers, counselors, and school administrators in course planning. It is designed to develop competencies needed for employment in entry positions and advancement in agricultural machinery and equipment operation, and for service in businesses and on farms. The content includes a course outline, a reference list, and time estimates for each of three courses. This guide should be used in conjunction with a set of instructional modules on agricultural machinery and service occupations, prepared by the Center for Vocational and Technical Education, The Ohio State University, (ED 012 761-ED 012 777 or VT 000 488-VT 000 504, all in AIM Fall 1967). The course is designed for 800 to 900 hours of in-school instruction in 100-minute class periods. Agricultural Science and Mechanics I and II (VT 009 773, also in this issue) are prerequisites for students enrolled in the agricultural machinery service curriculum. Suggested instructional materials, references, facilities, and equipment are appended. (DM)

VT 009 773

Agricultural Science and Mechanics I and II; A Curriculum Guide for Agricultural Education.

Virginia State Dept. of Education, Richmond. Agricultural Education Service  
Virginia Polytechnic Inst., Blacksburg. Agricultural Education  
Virginia State Coll., Petersburg. Agricultural Education

Agricultural Education Service, State Department of Education, Richmond, Virginia 23216 (\$1.50).

PUB DATE - Jul 69 34p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL OCCUPATIONS; GRADE 9;  
GRADE 10

Developed by a state staff, reviewed by teachers and professional industry representatives, tested through developmental programs, and refined and approved by a curriculum committee of the state board of education, this curriculum guide is for use by teachers, counselors, and school administrators in course organization and planning for high school vocational agriculture. Students should be in Grade 8, 9, or 10 for this 160 to 240-hour course. The program covers the first 2 years in the agricultural education curriculum and is a prerequisite for entry into courses taught in the third, fourth, and fifth years. (VT 009 712-VT 009 716, also in this issue). Approximately half of the course is allocated to agricultural mechanics and is designed to provide the student with instruction basic to occupations in which mechanical aptitudes, abilities, and skills are necessary. (DM)

VI 010 167

Holmes, J.S.

Common Forest Trees of North Carolina; How to Know Them. A Pocket Manual.

North Carolina State Dept. of Conservation and Development, Raleigh. Div. of Forestry

North Carolina Forest Service, P.O. Box 2719, Raleigh, North Carolina 27602 (\$.25).

PUB DATE - 67 89p.

\*RESOURCE MATERIALS; \*REFERENCE MATERIALS; \*AGRICULTURAL EDUCATION; \*TREES; \*FORESTRY; CLASSIFICATION

Prepared by a former state forester for the North Carolina Department of Conservation and Development, Division of Forestry, this handbook is intended for use as a reference in identifying common North Carolina trees. Black-and-white illustrations and brief descriptive information on appearance, distinguishing characteristics, and types of area and conditions conducive to their occurrence are given for over 200 different trees. Lists of less important trees and exotic trees found in the state are also included. Entries are indexed alphabetically by common name; scientific names are also supplied for all. (AW)

VI 010 229

Downer, Howard I.

A Guide for Use in Planning Occupational Education Programs in Agricultural Resources; Recommendations for Planning A Course of Study.

Tennessee Univ., Martin

PUB DATE - 69 12p.

\*PROGRAM GUIDES; \*PROGRAM PLANNING; PROGRAM DESIGN; VOCATIONAL AGRICULTURE; \*OCCUPATIONAL INFORMATION; \*OFF FARM AGRICULTURAL OCCUPATIONS; CONSERVATION EDUCATION; \*NATURAL RESOURCES; PLANT SCIENCE; ANIMAL SCIENCE; SOIL SCIENCE; WATER RESOURCES; AIR POLLUTION CONTROL; SECONDARY GRADES; AREA VOCATIONAL SCHOOLS

For use in planning occupational education programs in agricultural resources for high schools or area vocational schools, this guide includes: (1) a suggested course of study listing areas of instruction, number of periods, and grade level, (2) a list of occupational titles in the agricultural resources field, arranged under the general headings of conservation, protection and regulation, and recreational utilization, and including "Dictionary of Occupational Titles" codes, (3) information on program establishment, covering organization and administrative procedures, and (4) a listing of instructional units presented in outline form. General categories of the instructional outline are (1) Occupational Information and Orientation, (2) Applied Plant Science, (3) Animal Science, (4) Water Management Practices, (5) Soil Management Practices, (6) Air Pollution Protection Practices, (7) Business Management Procedures, and (8) Applied Mechanics for Resource Occupations. (AW)

VI 010 231

Suggestions for Integrating Forestry in the Modern Curriculum; A Conservation Teaching Aid.

Department of Agriculture, Washington, D.C. Forest Service

PUB DATE - Sep68 4p.

\*CURRICULUM GUIDES; \*AGRICULTURAL EDUCATION; \*CONSERVATION EDUCATION; \*FORESTRY; ELEMENTARY GRADES; SECONDARY GRADES

This publication was prepared by the U.S. Department of Agriculture, Forest Service, for use as a conservation teaching aid. Set up in outline form, it presents suggestions for introducing and integrating forestry into the academic curriculum on the elementary, junior high, and senior high levels. The vertical margin of the outline lists basic functions, activities, and problems of living (such as making a home, earning a living, conserving and improving physical conditions, and recreational activities), while the horizontal margin identifies the academic level and the aspects of forestry to be emphasized in each one. The elementary curriculum stresses the influence of the forest upon life in the home, school, and community; the junior high curriculum emphasizes individual adaptation to the social and physical environment; and the senior high level is concerned with understanding, controlling, and improving group relationships and trends in modern society. Suggestions for using and adapting the



outline to meet local needs are included. (AW)

VT 010 249

Dalton, L.C.; Richardson, Joe A.

Arc Welding in Vocational Agriculture. Suggested Lesson Plans.

New Mexico State Univ., University Park. Agricultural Education

State Department of Agriculture Education, 130 South Capitol Street, Santa Fe, New Mexico 87501 (single copies available).

PUB DATE - 69 23p.

\*LESSON PLANS; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL ENGINEERING; \*WELDING; \*TEACHING GUIDES

These lesson plans and shop exercises are for use by vocational agriculture instructors in teaching arc welding to beginning agricultural mechanics classes. Lessons are on becoming familiar with the arc welder, striking the arc and running beads, and pipe welding. Shop exercises include: (1) Basic Manipulation of the Arc, (2) Starting the Arc, (3) Butt Welding in Flat Position, (4) Fillet Welding in Horizontal and Flat Position, (5) Cutting Metal with Shielded Arc Electrode, (6) Welding Pipe, and (7) Arc Welding Projects. Lesson plans provide objectives, references, motivation, study questions, information summary, and teaching suggestions, and shop exercises give objectives, references, shop time, practice time and materials, and procedures. Numerous line drawings and diagrams illustrate the guide. (AW)

VT 010 250

Dalton, L.C.; Richardson, Joe A.

Gasoline Engines in Vocational Agriculture. Suggested Lesson Plans.

New Mexico State Univ., University Park. Agricultural Education

State Department of Agriculture Education, 130 South Capitol Street, Santa Fe, New Mexico 87501 (single copies available).

PUB DATE - 69 10p.

\*TEACHING GUIDES; \*LESSON PLANS; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL ENGINEERING; \*ENGINES; \*AGRICULTURAL MACHINERY

These teacher-developed lesson plans are for use by vocational agricultural instructors in teaching principles of gasoline engines to advanced agricultural mechanics classes. The five lesson topics are: (1) Principles of Engine Operation, (2) Carburetion, (3) Two-Stroke Cycle Engines, (4) Four-Stroke Cycle Engine, and (5) Disassemble and Reassemble a Gas Engine. Plans include objectives, motivation, study questions, information summary, and teaching suggestions. (AW)

VT 010 252

Dalton, L.C.; Richardson, Joe A.

Woodworking in Vocational Agriculture. Suggested Lesson Plans.

New Mexico State Univ., University Park. Agricultural Education

State Department of Agriculture Education, 130 South Capitol Street, Santa Fe, New Mexico 87501 (single copies available).

PUB DATE - 69 14p.

\*TEACHING GUIDES; \*LESSON PLANS; \*AGRICULTURAL ENGINEERING; \*VOCATIONAL AGRICULTURE; \*WOODWORKING

These lesson plans are for use by vocational agriculture instructors in teaching woodworking to beginning agricultural mechanics classes. Lessons include: (1) Use of Handtools and Planes, (2) Using Measuring Devices, (3) Using Hand Power Saw, (4) Table Saw, (5) The Radial Arm Saw, (6) Fasteners, (7) Boring and Drilling, and (8) Chisels. Plans provide objectives, references, motivation, study questions, summary of information, and teaching suggestions. (AW)

VI 010 426

Building Farm Fences.

American Association for Agricultural Engineering and Vocational Agriculture, Athens, Ga.

American Association for Agricultural Engineering and Vocational Agriculture,  
Agricultural Engineering Center, Athens, Georgia 30601 (\$2.00).  
PUB DATE - Oct69 36p.

\*RESOURCE GUIDES; \*ADULT FARMER EDUCATION; \*FARM STRUCTURES; \*MANUALS; AGRICULTURAL  
EDUCATION  
\*FENCES

Research and experience gathered throughout the country is the basis for these step-by-step procedures to aid farmers in building durable, effective fences with a minimum of time and expense. Emphasizing hand construction using tools and equipment normally available on a farm, procedures are outlined for building woven-wire fences, barbed-wire fences, movable fences, and board fences, as well as for grounding wire fences for lightning protection. The manual is illustrated with numerous photographs, drawings, and diagrams. (AW)

Y1-010-488

Course of Study for Agricultural Conservation Education.

Ohio State Univ., Columbus. Dept. of Agricultural Education  
Ohio State Dept. of Education, Columbus. Agricultural Education Service

Ohio Vocational Agriculture, Instructional Materials Service, The Ohio State  
University, 2120 Pyffe Road, Columbus, Ohio 43210 (\$1.00).  
PUB DATE - 69 27p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*CONSERVATION EDUCATION; FORESTRY;  
WILDLIFE MANAGEMENT; SOIL CONSERVATION; WATER RESOURCES; RECREATION; \*NATURAL  
RESOURCES; GRADE 11; GRADE 12; \*PROGRAM PLANNING

Developed by State staff, teachers, and advisory committee members, this curriculum guide is for use by school administrators and teachers in planning and developing 2-year vocational agriculture programs designed to prepare 11th- and 12th-grade students for entry into and advancement in any one of a cluster of occupations in resource conservation. Brief introductory information is given on the purpose, vocational objectives, competencies to be developed, subject areas to be covered, suggested time allotment, and suggestions for planning and teaching the course, followed by course outlines for each of the areas of introduction. Instructional areas, divided into specific teaching units, are: (1) Forestry, (2) Wildlife Management, (3) Soil and Water, (4) Outdoor Recreation, and (5) Conservation Mechanics. A separate section on leadership training, including teaching time, vocational objectives, competencies to be developed, and a teaching outline is also provided. (AW)

Y1-010-506

ED 038 506

Palan, Ralph L.; Persons, Edgar A.

A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis, Second Edition.

Minnesota Univ., St. Paul. Dept. of Agriculture Education

Agricultural Education Department, University of Minnesota, 312 North Hall, St. Paul  
Campus, St. Paul, Minnesota 55101 (\$4.50).  
PUB DATE - 69 218p.

\*TEACHING GUIDES; \*CURRICULUM GUIDES; \*ADULT FARMER EDUCATION; \*FARM MANAGEMENT; \*FARM  
ACCOUNTS; BUSINESS SUBJECTS

This guide is designed to aid agricultural education teachers in planning and implementing adult courses in farm business and management. Introductory chapters on the elements of modern adult education, the organization of an adult agricultural education program, and suggestions for using the course of study, are followed by course outlines for Farm Management I--Farm Records and Accounts (15 units), Farm Management II--Farm Business Analysis (12 units), and Farm Management III--Farm Business Organization (12 units). Instructional units provide teacher objectives, suggested teaching activities and experiences, content, and references, and many are illustrated with charts, tables, sample forms, and graphs. Selected bibliographies are included for each course of instruction. (AW)

Y1-010-509

ED 038 507

A Descriptor and Source Listing of Curriculum Materials in Agricultural Education,  
1969-1970.

American Vocational Association, Washington, D.C. Curriculum Materials Committee

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana, Illinois 61801.

PUB DATE - 70 29p.

\*ANNOTATED BIBLIOGRAPHIES; \*AGRICULTURAL EDUCATION; \*INSTRUCTIONAL MATERIALS; \*INFORMATION SOURCES; AGRICULTURAL ENGINEERING; ANIMAL SCIENCE; FORESTRY; AGRONOMY; AGRICULTURAL OCCUPATIONS; SOIL SCIENCE; FIELD CROPS; HORTICULTURE; FARM MANAGEMENT

The purpose of this annotated bibliography is to provide teachers of vocational agriculture, agricultural supervisors, and agricultural teacher educators with information on current curriculum materials available to them. Classified according to the AGDEX filing system, the 163 references are grouped under the headings: (1) Field Crops, (2) Horticulture, (3) Forestry, (4) Animal Science, (5) Soils, (6) Diseases and Pests, (7) Agricultural Engineering, (8) Agricultural Economics, (9) Agricultural Occupations, and (10) Professional. The availability and price of each reference is specified in the annotation. (AW)

# VI C10 540

Individual Study Guide of Carburetion.

Ohio State Univ., Columbus. Dept. of Agricultural Education

Ohio State Dept. of Education, Columbus. Agricultural Education Service

Ohio Vocational Agriculture, Instructional Materials Service, The Ohio State University, 2120 Fyffe Road, Columbus, Ohio 43210 (\$1.50).

PUB DATE - 70 122p.

\*STUDY GUIDES; \*INDEPENDENT STUDY; \*INDIVIDUAL STUDY ENGINEERING; \*VOCATIONAL AGRICULTURE; GRADE 11; GRADE 12  
\*CARBURETION

This guide is designed for individual study by 11th and 12th grade vocational agriculture students in advanced farm power courses, but may also be used by agricultural mechanics teachers as a basis for group study and practical application. Providing information on the principles, operation, and maintenance of the carburetion systems of all types of spark-ignition agricultural engines, the guide will aid in training students for entry into occupations on the farm or in agricultural implement dealerships requiring a knowledge of agricultural mechanics. The 10 instructional units each contain an activity sheet to direct the student through the unit, an information sheet, an answer sheet providing answers to questions in the activity sheet, and a project sheet. Some unit titles are: (1) Carburetion, (2) Compensation Systems, (3) Small Engine Carburetors, (4) Parts of the Carburetor, and (5) Carburetor Maintenance. Related references are listed, and the guide is illustrated with numerous diagrams and drawings. (AW)

# VI C10 599

A Suggested Training Guide for Rice Production in Louisiana.

Louisiana State Univ., Baton Rouge. School of Vocational Education

Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.

PUB DATE - Sep68 84p.

\*TEACHING GUIDES; \*VOCATIONAL AGRICULTURE; \*FARMERS; \*FARM OCCUPATIONS; \*AGRICULTURAL PRODUCTION; SECONDARY GRADES  
\*RICE PRODUCTION

This training guide is for use by Louisiana vocational agriculture teachers in planning and conducting high school courses to prepare prospective rice farmers or rice farm employees. Contents consist of four instructional units: (1) Environmental Conditions Essential for the Production of Rice, (2) Operation, Care and Maintenance of Farm Machinery and Equipment, (3) Rice Production Methods, and (4) Marketing the Rice Crop, with each unit providing objectives, competencies to be developed, student motivation, teaching suggestions, references, and evaluation. Within each unit, subject matter is broken down into separate lessons, given in an instructional format. Eight different rice farm job descriptions are provided. (AW)

VI\_010\_689

A Training Program for Vocational Agriculture in Dairy Production.

Louisiana State Univ., Baton Rouge. School of Vocational Education  
Louisiana State Dept. of Education, Baton Rouge. Vocational Education Div.

PUB DATE - Jun68 262p.

\*TEACHING GUIDES; \*CURRICULUM GUIDES; \*VOCATIONAL AGRICULTURE; \*DAIRYMEN; GRADE 11;  
GRADE 12

Developed by vocational agriculture teachers, this guide is for teacher use in planning and implementing 11th and 12th grade courses in dairy farming. The 14 instructional units are: (1) Selection of Dairy Cattle, (2) Feeding Dairy Cattle, (3) Forage and Pasture Production, (4) Breeding Dairy Cattle, (5) Housing and Milking Dairy Cattle, (6) Control and Prevention of Diseases of Dairy Cattle, (7) Control and Prevention of Parasites of Dairy Cattle, (8) Dairy Production Records, (9) Dairy Financing, (10) Dairy Cooperatives, (11) Dairy Marketing, (12) Dairy Farm Legal Information, (13) Dairy Farm Labor Management, and (14) Dairy Public Relations. Objectives, content, competencies to be developed, student motivation and activities, teaching outline and suggestions, references and teaching aids, and evaluation are provided in each unit and the guide is illustrated with graphs and diagrams. A related document, "Farm Mechanics Basic to Dairy Farming," is available as VT 008 336 (AIM Spring 1970). (AW)

VI\_010\_691

Tractor, Diesel, and Farm Machinery Mechanics: A Study Guide.

Alabama Univ., University. Dept. of Trade and Industrial Education

Trade and Industrial Education, State Department of Education, P.O. Box 2847,  
University, Alabama 35486 (\$2.00, answer book \$1.25).

PUB DATE - Jan68 120p.

\*STUDY GUIDES; \*AGRICULTURAL ENGINEERING; \*COOPERATIVE EDUCATION; \*STUDENT RECORDS;  
\*VOCATIONAL AGRICULTURE

For use by students enrolled in a cooperative agricultural mechanics training program, this study guide provides a step-by-step trade analysis and progress record to be followed and kept up-to-date by the student, a student's daily record sheet, and information sheets and questions keyed to steps of the progress report. Detailed instructions for using the guide are given as well as a bibliography of references needed for completion of the assignments. An Answer book may be obtained from the source of availability indicated for this document. (AW)

VI\_010\_715

Law for the Farmer.

Illinois Univ., Urbana. Vocational Agricultural Service

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana,  
Illinois 61801 (\$1.30).

PUB DATE - 70 25p.

\*SUPPLEMENTARY TEXTBOOKS; \*REFERENCE MATERIALS; \*AGRICULTURAL PRODUCTION; \*LAWS; \*STATE  
LAWS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; VOCATIONAL AGRICULTURE

Intended for use in high school or adult classes studying production agriculture, this student text and reference relating to the legal problems affecting the farmer was designed by subject-matter specialists, teacher educators, and an advisory committee of teachers. Subject areas covered include: (1) Property, (2) Landlord and Tenant, (3) Farm Labor, (4) Drainage and Water Rights, (5) Fences, (6) Livestock, and (7) Animal Diseases. Recommended time allotment for covering the material is 2 to 8 hours. (AW)

VI\_010\_725

Hettst, J.H.

Planning Your Farm Business.

Illinois Univ., Urbana. Vocational Agricultural Service

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana, Illinois 61801 (\$1.30).  
PUB DATE - 69 35p.

\*WCBKBCOKS; STUDY GUIDES; \*SUPPLEMENTARY TEXTBOOKS; \*AGRICULTURAL PRODUCTION;  
\*VOCATIONAL AGRICULTURE; \*FARM MANAGEMENT

Developed by an associate professor of farm management and agricultural education, this student text and reference is for use in high school or adult classes studying production agriculture. Contents present a systematic approach to planning a successful farm business, including: (1) making an inventory of physical resources, (2) setting up a plan for land use, (3) estimating crop production value, (4) fitting the livestock program to the needs of the farm, (5) checking on labor needs and supply, (6) estimating building, equipment, and soil-fertility costs, (7) estimating net earnings under the new plan, and (8) planning to meet credit needs. (AW)

VI\_010\_727

Herbst, J.H.  
Salesmanship in Agricultural Business.

Illinois Univ., Urbana. Vocational Agricultural Service

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana, Illinois 61801 (\$1.30).  
PUB DATE - 70 25p.

\*SUPPLEMENTARY TEXTBOOKS, RESOURCE MATERIALS; VOCATIONAL AGRICULTURE; AGRICULTURAL PRODUCTION; \*AGRICULTURAL SUPPLY OCCUPATIONS; \*SALES OCCUPATIONS; SALES WORKERS; SECONDARY GRADES; \*SALESMANSHIP; \*UNITS OF STUDY (SUBJECT FIELDS); ADULT VOCATIONAL EDUCATION

Developed by an associate professor of farm management and agricultural education, this student text and reference is for use in high school or adult classes studying production agriculture. Contents cover eight aspects of agricultural salesmanship, including: (1) opportunities in agricultural business, (2) the salesman's role in the economy, (3) personal qualities and knowledge required of a salesman, (4) customer motivation, (5) opening, conducting, and closing sales interviews, and (6) handling customer objections. The text is illustrated with line drawings. Two to 8 clock hours are recommended for covering the material. (AW)

VI\_010\_729

Courson, R.L.; Peck, T.R.  
Determining Available Potassium in Soils.

Illinois Univ., Urbana. Vocational Agricultural Service

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana, Illinois 61801 (\$1.15).  
PUB DATE - 70 13p.

\*SUPPLEMENTARY TEXTBOOKS; \*RESOURCE MATERIALS; \*VOCATIONAL AGRICULTURE; \*AGRICULTURAL PRODUCTION; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; \*UNITS OF STUDY (SUBJECT FIELDS)

This student text and reference, prepared by an assistant professor of agricultural education, is for use in high school or adult production agriculture classes. Contents cover three problem areas: (1) equipment and supplies necessary for determining potassium in soils, (2) procedure for making soil potassium tests, and (3) procedure for recording test results. A chart of photometer readings and pounds of potassium per acre is appended. The reference is illustrated with diagrams, drawings, and photographs. Recommended time for covering the material is 1 to 3 hours. (AW)

VI\_010\_730

Hansen, E.L.  
Appraising Farm Buildings.

Illinois Univ., Urbana. Vocational Agricultural Service

Vocational Agriculture Service, 434 Mumford Hall, University of Illinois, Urbana,

Illinois 61801 (\$.30).  
 PUB DATE - 70 25p.

\*SUPPLEMENTARY TEXTBOOKS; \*RESOURCE MATERIALS; \*AGRICULTURAL PRODUCTION; \*VOCATIONAL AGRICULTURE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; \*FARM STRUCTURES; EVALUATION; \*UNITS OF STUDY (SUBJECT FIELDS)

Developed by an associate professor of agricultural education and agricultural engineering, this student text and reference is for use in high school or adult classes studying production agriculture. Contents cover the problems of appraising farm buildings and methods for appraisal, and include sample forms for appraising 10 different types of farm buildings and facilities. The booklet is illustrated with numerous drawings and diagrams, and the recommended time for covering the material is 2 to 8 hours. (AW)

VT 010 879 ED 038 536

Greenhouse Crop Production; A Teacher's Manual. Teacher Education Series, Volume 10 Number 3t.

Pennsylvania Agricultural Experiment Station, University Park  
 Office of Education (DHEW), Washington, D.C. Bureau of Research

PUB DATE - 69 246p.

\*VOCATIONAL AGRICULTURE; \*MANUALS; \*SUPPLEMENTARY TEXTBOOKS; AGRICULTURAL OCCUPATIONS; \*GREENHOUSES; NURSERY WORKERS (HORTICULTURE); \*NURSERIES (HORTICULTURE); CONTROLLED ENVIRONMENT; PLANT GROWTH; PLANT PROPAGATION; CAREER OPPORTUNITIES; SECONDARY GRADES; POST SECONDARY EDUCATION

Developed by the Department of Agricultural Education of the Pennsylvania State University and field-tested by 54 teachers, this guide is for teacher use in planning a unit in greenhouse crop production. The unit is intended for upper high school and post-high school students interested in careers in this field. Teacher suggestions, references, and information from the Student's Handbook (VT 010 880, also in this issue), which includes learning objectives, key questions, vocabulary terms, and subject matter, are provided for these problem areas: (1) Occupational Opportunities in Greenhouse Crop Production, (2) Greenhouse Location, Structures, and Equipment, (3) Environmental Control, Potted Plant Production, (5) Cut flower Production, and (6) Vegetable Production. A Cumulative Table of Days per Year, Flower Holidays for 1970-1976, and a greenhouse crop production examination are appended. (SB)

VT 010 880 ED 038 535

Greenhouse Crop Production; A Student Handbook. Teacher Education Series, Volume 10 Number 3e.

Pennsylvania Agricultural Experiment Station, University Park  
 Office of Education (DHEW), Washington, D.C. Bureau of Research

PUB DATE - 69 202p.

\*VOCATIONAL AGRICULTURE; \*STUDY GUIDES; \*SUPPLEMENTARY TEXTBOOKS; AGRICULTURAL OCCUPATIONS; \*GREENHOUSES; NURSERY WORKERS (HORTICULTURE); \*NURSERIES (HORTICULTURE); CONTROLLED ENVIRONMENT; PLANT GROWTH; PLANT PROPAGATION; CAREER OPPORTUNITIES; SECONDARY GRADES; POST SECONDARY EDUCATION

This study guide, developed by the Department of Agricultural Education of The Pennsylvania State University and field-tested by 54 teachers, is for student use in a unit on greenhouse crop production. Learning objectives, key questions, vocabulary terms, subject matter, and references are included for each of these problem areas: (1) Occupational Opportunities in Greenhouse Crop Production, (2) Greenhouse Location, Structures, and Equipment, (3) Environmental Control, (4) Potted Plant Production, (5) Cut flower Production, and (6) Vegetable Production. The subject matter sections are augmented with pictures, drawings, diagrams, and charts. The teacher's manual is available as VT 010 879 (also in this issue). (SB)

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BUSINESS AND  
OFFICE EDUCATION  
SECTION

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Y1\_001\_087

Lifton, Marks, And Others

Syllabus and Teaching Suggestions for a Course in Secretarial Practice.

New York State Education Dept., Albany. Bureau of Business and Distributive Education

PUB DATE - 63 106p.

\*OFFICE PRACTICE; \*PROGRAM GUIDES; \*CURRICULUM GUIDES; \*SECRETARIES; GRADE 12;  
COOPERATIVE EDUCATION; BIBLIOGRAPHIES; INSTRUCTIONAL MATERIALS; \*OFFICE OCCUPATIONS  
EDUCATION

The subject is designed primarily for 12th year students who have successfully completed typewriting, shorthand, and transcription or machine transcription. A content outline and teaching suggestions are given for the following units: (1) Personal Appearance, Health, Etiquette, and Ethics, (2) Employment Techniques, (3) Communications, (4) Office Machines and Equipment, (5) Records Control, and (6) Travel. Equipment requirements, class organization, suggested standards and evaluation of learning, employer's cooperative office work experience report, student self-evaluative scale, business department student rating sheet, questionnaire for a follow-up study of graduates, and a bibliography of teaching materials and aids are included. (PS)

Y1\_001\_315

Clerical Practice for High Schools. Curriculum Bull V-6, 1964-65 Ser.

New York City Board of Education, Brooklyn, N.Y.

Board of Education of the City of New York, Publications Office, 110 Livingston Street, Brooklyn, New York 11201 (\$1.00).

PUB DATE - 65 96p.

\*CURRICULUM GUIDES; \*CLERICAL OCCUPATIONS; \*OFFICE OCCUPATIONS EDUCATION; SECONDARY  
GRADES; BIBLIOGRAPHIES

This syllabus for clerical practice is the result of more than a decade of study and experimentation by business teachers and secretarial studies chairman. It provides a course of study outline for a 2-year sequence with the following objectives: (1) to give the pupil a basic knowledge of business, (2) to provide skills in performing basic office jobs and in operating common office machines, (3) to improve oral and written English, penmanship habits, and skill in numbers, (4) to develop desirable behavior patterns, work habits, and attitudes, and (5) to provide the student with necessary knowledge and skill for securing initial employment. The first-year units include: (1) Development of Good Work Habits, (2) English, Penmanship, and Number Skills, (3) Techniques in Using Office Machines, (4) Filing, (5) Telephone, (6) Telegraph and Cable, (7) Handling Mail, (8) Receiving Visitors, (9) Messenger Service, and (10) Automated Data Processing. The second year program includes continuation of units 1, 2, 3, 4, and 10 as listed for the first year and the following: (1) Handling Cash, (2) Banking, (3) Reference Books, (4) Handling Stock, (5) Travel and Travel Services, (6) Civil Service, and (7) Getting the Job. Each unit includes the scope of study, a brief outline of content, suggested teacher-pupil activities, and visual and auditory aids. (PS)

Y1\_009\_965

Key Punch Machine Operation; A Suggested Adult Course Outline.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).

PUB DATE - 68 30p.

\*CURRICULUM GUIDES; \*TEACHING GUIDES; \*OFFICE OCCUPATIONS EDUCATION; \*DATA PROCESSING  
OCCUPATIONS; \*OFFICE MACHINES; DATA PROCESSING; ADULT VOCATIONAL EDUCATION

This suggested course outline was designed by subject-matter specialists, teachers, and state education department personnel for teacher use in planning courses and lessons in keypunch machine operation for adult education programs. Completion of the 90-hour course is intended to prepare trainees for entry-level positions in the business world by helping them to develop both basic skills and competencies of keypunching and a fundamental knowledge of the functions of different data processing machines. Chapters



are: (1) Administrative Considerations, which includes suggested equipment, class organization, time considerations, and student materials, (2) Course Objectives, which deals with proficiency standards and course enrichment, and (3) Course Outline, which presents a topical outline of the material to be covered, teaching suggestions, and selected references. The nine topics covered in the outline are: (1) Introduction, (2) The Punch Card, (3) Operating Features of the Key punch, (4) Program Unit, (5) Program Card, (6) Print Control, (7) The Electromechanical Data Processing System, (8) Error Corrections, and (9) Broad Applications. Supplementary materials include a glossary, suggested references, and audiovisual aids. The course instructor should be a competent key punch operator, and trainees should have a basic knowledge of typing. (AW)

# **VI 010 207**

Handbook for Teachers of Business Management.

New York State Education Dept., Albany. Bureau of Secondary Curriculum Development.

PUB DATE - 67 89p.

\*CURRICULUM GUIDES; INSTRUCTIONAL AIDS; \*CURRICULUM PLANNING; \*BUSINESS EDUCATION; \*BUSINESS ADMINISTRATION; \*TEACHING METHODS; RESOURCE MATERIALS; BUSINESS SUBJECTS; SECONDARY GRADES

Business education teachers may find helpful ideas in this guide for planning and developing courses of study in business management on the high school level. The handbook is divided into five main sections with the first dealing with administrative considerations such as grade level, student selection, teacher selection, and course objectives. "Teaching Methods", the second chapter, suggests a variety of techniques for presenting the material, including lecture, discussion, conference groups, dramatization, and audiovisual presentations. The third chapter discusses factors contributing or relating to the effectiveness of the class, such as classroom atmosphere, teacher and student responsibilities, use of resource people, student surveys, and textbook selection and use. Suggested learning experiences and student projects are explored in the fourth chapter, including procedures, references, performance standards, and evaluation. The last chapter suggests material for the management library, including both general references and specific material for various branches of business, such as personnel, finance, marketing, law, and insurance. Directories of publishers, file sources, and film catalogs are also provided. (AW)

# **VI 010 208**

Audio Aids for Business Education, 1970.

Western Tape, Mountain View, Calif. Business Education Dept.

PUB DATE - 70 34p.

\*AUDIO EQUIPMENT; EDUCATIONAL EQUIPMENT; \*INSTRUCTIONAL AIDS; \*BUSINESS EDUCATION; \*INDIVIDUAL INSTRUCTION; EDUCATIONALLY DISADVANTAGED; DISADVANTAGED GROUPS; OFFICE OCCUPATIONS; STENOGRAPHY; SECRETARIES; TYPEWRITING

Audio aids and equipment available for use in teaching business education are listed, including several programs designed primarily to aid in providing individualized instruction for the educationally or physically disadvantaged. Twenty-eight audio-instructional programs are listed under these five major categories: (1) Manual Shorthand, (2) Typing, (3) Typing and Shorthand--Individualized Instruction, (4) Office Occupations, and (5) Transcription and Secretarial Practice Programs. Brief descriptions are provided for each instructional aid, including such information as number and length of tapes, nature of material covered, correlated textbooks, and prices per instructional unit. Programs which specifically meet the special needs of the Vocational Education Act of 1968 are clearly designated. Photographs of the equipment are included as well as instructions for ordering. (AW)

# **VI 010 266**

Office Practices, Designed for Students Enrolled in Business and Office Vocational Education.

Missouri Univ., Columbia. Instructional Materials Lab.

Missouri State Dept. of Education, Jefferson City. Vocational Education Div.

Instructional Materials laboratory, University of Missouri, 9 Industrial Education, Columbia, Missouri 65201 (\$1.50).

PUB DATE - Jul 69 117p.

\*STUDY GUIDES; \*OFFICE OCCUPATIONS EDUCATION; \*OFFICE PRACTICE; \*OFFICE OCCUPATIONS; COOPERATIVE PROGRAMS; \*COOPERATIVE EDUCATION; SECONDARY GRADES; POST SECONDARY EDUCATION EDUCATION

Developed by teacher educators and research assistants, this study guide for related classroom instruction is for use by high school or post-secondary students enrolled in cooperative office practice programs. The 180-hour sequence is covered in 21 units, each providing descriptive titles suggesting the nature of the assignment, introductory material on the subject and why it is important, specific assignments, and objective questions for individual study or testing. Some of the 21 topics covered are: (1) Public Relations in Business, (2) Secretarial References, (3) Techniques for Writing Business Letters, (4) Dictation and Transcription, (5) Correspondence Filing, (6) The Telegraph System, (7) Data Processing, (8) Typing Legal Documents, (9) Stencil Duplication, and (10) Offset, Photocopy, and Other Processes. The course instructor should be a qualified coordinator or inservice instructor, and students must be at least high school seniors who have completed a basic business occupations course as prerequisite. Supplementary materials necessary for presenting the course may be obtained from the source of availability listed for this document. (AW)

VI 010 558 ED 037 566

Instructional Materials for Adult Business and Distributive Education.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publication Distributing Unit, New York State Education Department, Education Building, Albany, New York 12224.

PUE DATE - 69 81p.

\*AUDIOVISUAL AIDS; \*ADULT EDUCATION; \*BUSINESS EDUCATION; \*DISTRIBUTIVE EDUCATION; \*ANNOTATED BIBLIOGRAPHIES

This annotated bibliography of instructional aids is for teacher-coordinator use in supplementing a course of instruction in adult business and distributive education. The bibliography is arranged by subject areas, with films, filmstrips, transparencies, charts, tapes, and records listed for each area. Subject areas are: accounting and bookkeeping, banking and finance, business and economics, business skills, consumer education, distributive education, industrial management, insurance, law, office machines, personnel management, stenography, transportation, typing, and vocational guidance. Unless otherwise specified all films are 16 millimeter and all filmstrips are 35 millimeter. The source for purchase, free distribution, or rental is given by code. Names and addresses of producers and distributors are listed alphabetically. (CH)

VI 010 600

Business Education Curriculum Guide.

Maine Business Education Advisory Committee

Maine State Dept. of Education, Augusta. Bureau of Vocational Education

Consultant, Business Education, Bureau of Vocational Education, State Department of Education, Education Building, Augusta, Maine 04330.

PUE DATE - 67 55p.

\*CURRICULUM GUIDES; \*BUSINESS EDUCATION; \*PROGRAM CONTENT; \*BUSINESS SUBJECTS; SECONDARY GRADES; COOPERATIVE EDUCATION; ADMINISTRATOR ROLE; STUDENT ORGANIZATIONS; EVALUATION CRITERIA; FINANCIAL SUPPORT; EDUCATIONAL EQUIPMENT

For use in planning high school business education programs, this guide includes program outlines for secretarial, business administration, and clerical programs for grades 9-12. The course outlines, which include aim, objectives, time requirement, grade placement, and prerequisites, are presented for 18 business subjects. Related information is provided for professional growth, student work experience, co-curricular activities, youth clubs, the role of the department chairman, and criteria for approval of vocational business education programs. (CH)

DISTRIBUTIVE  
EDUCATION  
SECTION

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VI\_000\_049

Principles of Management.

Texas Univ., Austin. Dept. of Distributive Education  
Esso Standard Oil Co.

Instructional Materials Laboratory, Distributive Education Department, Division of Extension, The University of Texas, Austin, Texas 78712 (\$4.00).  
PUB DATE - 60 137p.

\*CURRICULUM GUIDES; \*SUPPLEMENTARY TEXTBOOKS; DISTRIBUTIVE EDUCATION; MANAGEMENT EDUCATION; \*MANAGEMENT; \*SUPERVISORS; \*SUPERVISORY TRAINING; ADULT VOCATIONAL EDUCATION EDUCATION

This guide was developed by the Esso Training Center to stimulate an awareness of the real nature of the management function and to point up the application of basic principles to supervisory problems at all levels. The manual is organized for 10 conferences of 1 1/2 to 2 hours per meeting, but may be adapted to meet local circumstances. Brief introductory material and instructions for using the manual and Principles of Management charts are followed by 10 chapters, covering: (1) Management Principles--Unity of Command, (2) Span of Control--Similarity of Assignment, (3) Delegation of Authority--Use of Staff, (4) The Functions of Management--Organizing and Planning, (5) Management Functions--Directing, Controlling, Coordinating, (6) Management Principles and Human Relations, (7) What Workers Want, (8) Understanding People, (9) A Planned Approach to Better Personnel Management, and (10) Sound Management--A Real Challenge. The document is illustrated with numerous charts, diagrams, and line drawings. (AW)

VI\_000\_135

Teague, Ben

Arithmetic for Distribution.

Texas Univ., Austin. Dept. of Distributive Education  
Texas Education Agency, Austin. Div. of Distributive Education

Instructional Materials Laboratory, Distributive Education Department, Division of Extension, The University of Texas, Austin, Texas 78712 (\$3.00).  
PUB DATE - Jul63 86p.

\*STUDY GUIDES; \*DISTRIBUTIVE EDUCATION; \*PRACTICAL MATHEMATICS; \*INDIVIDUAL STUDY; SECONDARY GRADES; ANSWER KEYS

Compiled by an individual and prepared for publication under the direction of the Director of Research, Distributive Education Department, Division of Extension, The University of Texas, this manual is intended for use by individual students to supplement class discussion and drill in arithmetic, and to serve as an aid in applying knowledge gained in group discussion to specific mathematics problems in distribution. Recommended primarily for first-year students, the contents are divided into four sections: Arithmetic Fundamentals, consisting of 12 units ranging from addition and subtraction of whole numbers to percentage, base, and rate; Mathematics of Distribution, containing eight units ranging from weights and measures to understanding trade and quantity discounts; You and Your Federal Income Tax, a single unit with the same title; and Administrative Mathematics, including 3 units ranging from financing a business to preparation of payrolls. Assignments are provided for each unit along with objectives and problems. An answer booklet may be obtained from the source of availability indicated for this document. (AW)

VI\_000\_445

Vietti, Michael T., Ed.

Distributive Education Handbook.

Indiana State Dept. of Public Instruction, Indianapolis. Div. of Vocational Education.

Vocational Instructional Materials Laboratory, School of Technology, Indiana State University, Terre Haute, Indiana 47809 (\$2.00).  
PUB DATE - Oct68 83p.

\*DISTRIBUTIVE EDUCATION; \*PROGRAM GUIDES; \*PROGRAM ADMINISTRATION; \*PROGRAM DESCRIPTIONS; \*STATE STANDARDS  
INDIANA

The responsibilities of Indiana distributive education teacher coordinators are classified into specific functions to get a clear picture of this varied job and to suggest planning activities to make sure that each function is carried out. The handbook is also structured to aid the local school administration and vocational divisions in understanding their roles and responsibilities in distributive education. Sections include: (1) Background information About Distributive Education, (2) An Introduction to Distributive Education, (3) The Distributive Education coordinator, (4) Reimbursement Policy for Local Distributive Education Program, (5) High School Guidance Plan, (6) Organization and Operation of the Distributive Education Cooperative High School Program, (7) Organization and Operation of the Distributive Education Project Method, (8) The Distributive Education Club, and (9) Evaluation of the Distributive Education Program. The appendix includes sample forms for conducting high school programs, state reporting, purchasing equipment, and certifying teachers. The bibliography lists books, brochures and pamphlets, trade journals and magazines, and films sources. (MM)

VT\_009\_852

Fashion Merchandising; A Suggested Adult Distributive Education Course Outline.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

PUB DATE - 69 64p.

\*TEACHING GUIDES; \*CURRICULUM GUIDES; \*DISTRIBUTIVE EDUCATION; \*MERCHANDISING; ADULT VOCATIONAL EDUCATION  
\*FASHION

For teacher use in planning and implementing courses in fashion merchandising for adult distributive education classes, the outline is divided into seven lessons, but may be modified and adapted to fit local needs. Topics covered are: (1) What is Fashion? (2) The "Why" of Fashion, (3) How to Sell Fashion, (4) Color, (5) Design, (6) Textiles, and (7) Other Aspects of Fashion Merchandising. Each lesson includes content and questions for review and discussion, and several provide suggested activities and special projects. Appendixes include a listing of manmade fibers, with generic and trade names, characteristics, and uses, fashion sizes and their characteristics, and drawings of details of fashion suitable for reproduction as instructional aids. A bibliography is provided. (AW)

VT\_009\_879

Orientation to and Planning for the Supervised Occupational Experience Program (Transparency Masters).

Clemson Univ., S.C. Vocational Educational Media Center  
South Carolina State Dept. of Education, Columbia. Office of Vocational Education

Distributive Education Section, State Department of Education, Columbia, South Carolina 29201 (Limit: one per state supervisor of distributive Education).

PUB DATE - 69 11p.

\*TRANSPARENCIES; \*DISTRIBUTIVE EDUCATION; \*FIELD EXPERIENCE PROGRAMS; SECONDARY GRADES; INSTRUCTIONAL AIDS; FIRST SECONDARY EDUCATION

Instructional aids produced from these eight transparency masters may be used by distributive education teachers to orient high school or area vocational center students to supervised occupational experience programs. The materials, developed by a teacher committee, include the following titles: (1) What Is a Supervised Experience Program, (2) Supervised Occupational Experience Program, (3) The Triangle of the Supervised Occupational Experience Program, (4) What Does Personality Include, (5) Self Analysis Questions, (6) Values of a Supervised Occupational Experience Program (two masters), and (7) Student Responsibilities. (AW)

VT\_009\_941

Distributive Education II; Suggested Teaching Calendar, South Carolina.

Clemson Univ., S.C. Vocational Education Media Center  
South Carolina State Dept. of Education, Columbia. Distributive Education Section

Distributive Education Section, State Department of Education, Columbia, South Carolina 29201 (Limit: one per state supervisor of distributive Education).

PUB DATE - 69 22p.

\*SCHOOL CALENDARS; \*CURRICULUM GUIDES; \*TEACHING GUIDES; \*DISTRIBUTIVE EDUCATION;  
SECONDARY GRADES; RETAILING; MERCHANDISING; MARKETING; SALESMANSHIP; PUBLIC RELATIONS;  
ECONOMICS; CREDIT (FINANCE)

Developed and tested by a teacher committee, this proposed calendar covering 1 school year is for teacher use in planning and implementing high school distributive education courses. The calendar is set up in outline form, and includes: (1) the unit of resource, (2) topic or sub-topic, (3) suggested inclusive dates for covering the material, (4) teaching methods, (5) aids, (6) applications, and (7) comments. Some of the 30 units covered are: (1) The Challenge in Selling, (2) Advanced Selling Techniques, (3) Sales Promotion, (4) Advertising, (5) Display, (6) Public Relations, (7) Retail Credit Principles and Procedures, (8) Merchandising Policies, (9) Basic Economic Principles, (10) Role of Marketing in Our Economy, (11) Selecting Channels of Distribution, (12) Marketing Research, and (13) Career Opportunities in American Marketing. (AW)

VT 009 952

Business Locations (Transparency Masters).

Clemson Univ., S.C. Vocational Education Media Center  
South Carolina State Dept. of Education, Columbia. Office of Vocational Education

Distributive Education Section, State Department of Education, Columbia, South Carolina 29201 (Limit: one per state supervisor of distributive Education).  
PUE DATE - 69 14p.

\*TRANSPARENCIES; \*DISTRIBUTIVE EDUCATION; \*SITE SELECTION; \*MARKETING; \*BUSINESS  
EDUCATION; INSTRUCTIONAL AIDS; SECONDARY SCHOOLS

Instructional aids produced from these 10 transparency masters may be used by distributive education teachers in classes studying business locations. Developed by a teacher committee for use in secondary schools and area vocational centers, the material includes the following titles: (1) Business Location, (2) Selecting a Site, (3) Suburban Location, (4) Wayside Location, (5) Shopping Center, (6) Central Shopping District, (7) Neighborhood Shopping Area, (8) Location Problems: Affinities, (9) Building Fronts, and (10) Store Interiors. (AW)

VT 009 953

Wholesaling (Transparency Masters).

Clemson Univ., S.C. Vocational Education Media Center  
South Carolina State Dept. of Education, Columbia. Office of Vocational Education

Distributive Education Section, State Department of Education, Columbia, South Carolina 29201 (Limit: one per state supervisor of distributive Education).  
PUE DATE - 69 16p.

\*TRANSPARENCIES; \*DISTRIBUTIVE EDUCATION; INSTRUCTIONAL AIDS; SECONDARY SCHOOLS;  
\*WHOLESALE; \*RETAILING

Instructional aids produced from these 12 transparency masters may be used by distributive education teachers in presenting courses in wholesaling in secondary schools and area vocational centers. The material, prepared by a teacher committee, includes the following titles: (1) Retail-Wholesale, (2) Types of Wholesalers, (3) Retail Owned-Retail Affiliated, (4) Wholesale Auto Parts, (5) Which Way is Best, (6) The Wholesaler Offers the Retailer, (7) How Important is the Wholesaler, (8) Wholesale Services, (9) The Wholesale Salesman is a Consultant, (10) The Wholesale Pipeline, and (11) Compensation of Salesmen (two masters). (AW)

VT 009 991

Index of Super Market Articles 1968.

Super Market Inst., Chicago, Ill.

Super Market Institute, 200 East Ontario Street, Chicago, Illinois 60611 (\$3.00).  
PUE DATE - 69 54p.

\*ANNUAL REPORTS; \*INDEXES (LOCATORS); \*CATALOGS; ANNOTATED BIBLIOGRAPHIES; PERIODICALS;  
DISTRIBUTIVE EDUCATION; REFERENCE MATERIALS; \*FOOD SERVICE INDUSTRY; \*FOOD STORES

This index is one of a continuing series of annual reports prepared by the Super Market Institute's Information Service, cataloging selected articles about super market



operations and the food distribution industry. Designed to provide the researcher with a basic guide to recently published reports about supermarket operation, it indexes 540 single articles and series of articles published in 1968 in 27 periodicals, including food retailing, general business and marketing, and the Super Market Institute's own publications. Articles have been grouped under 72 major subject categories, and are arranged within each category in reverse chronological order, the most recently published article mentioned first. References supply title, source publication, publication date, and page number, and authors and their affiliates if indicated, as well as brief annotations. An extensive cross reference index is also provided. (AW)

VI 010 069

Money Management and Banks; A Suggested Adult Distributive Education Course Outline. Bulletin No. 168.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 60p.

\*CURRICULUM GUIDES; \*DISTRIBUTIVE EDUCATION; \*BANKING; \*FINANCE OCCUPATIONS; \*MONEY MANAGEMENT; ADULT VOCATIONAL EDUCATION; CREDIT (FINANCE); INVESTMENT; CAPITAL

Designed by subject-matter specialists, teachers, and education department personnel, this course outline is for use by distributive education teachers in planning courses and lessons for adult education programs. The course is intended to aid students in developing a better understanding of the effective use of money, credit, and banking services, and to provide background knowledge and information considered desirable for a beginning bank employee. The 22-hour course covers 11 chapters: (1) The Role of Money, (2) Money and Credit Defined, (3) Capital, (4) The Family Budget, (5) Inflation and You, (6) United States Banking System, (7) Checking and Savings Accounts, (8) Working with Your Bank, (9) Making Your Bank Work for You, (10) Use of Bank Credit, and (11) Your Investment Program. A bibliography, Tips for Instructors, and Pointers for Discussion Leaders are appended. The course should be taught by a middle-management bank executive or college business or economics teacher, and students should have an occupational focus of lower or middle management levels of business. Supplemental materials are desirable when presenting the subject. (AW)

VI 010 077

Programed Instruction: Distributive and Office Education.

California Univ., Los Angeles. Div. of Vocational Education

Bureau of Business Education, California State Department of Education, 721 Capitol Mall, Sacramento, California 95814.  
PUB DATE - Oct69 59p.

\*BUSINESS EDUCATION; \*DISTRIBUTIVE EDUCATION; \*RESOURCE MATERIALS; TEACHING TECHNIQUES; \*PROGRAMED INSTRUCTION; \*ANNOTATED BIBLIOGRAPHIES; SECONDARY GRADES; COMMUNITY COLLEGES; ADULT EDUCATION

Developed cooperatively by a university vocational education division and a State bureau of business education, programed instruction in distributive and office education is the emphasis of this resource material. Topics are: (1) an overview of programed instruction, (2) influences of programed instruction procedures, (3) suggested procedure for using programed instruction, and (4) an annotated bibliography of programed instructional materials. Programed texts and units with publication dates from 1962-1969 are annotated according to these instructional areas: (1) Accounting and Bookkeeping; (2) Business Organization and Management, (3) Communication Skills, (4) Computational Skills, (5) Economics, (6) Marketing and Merchandising, (7) Occupational Guidance, and (8) Office Occupations Competencies. The materials, intended for use at secondary, community college, and adult education levels, include source addresses. (SB)

VI 010 198

Training Food Service Personnel for the Hospitality Industry.

National Restaurant Association, Chicago, Ill.  
Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402



(PS5.282:82018, \$.65).  
PUE DATE - 69 152p.

\*FOOD SERVICE INDUSTRY; \*SALES WORKERS; \*DISTRIBUTIVE EDUCATION; \*TEACHING GUIDES;  
OCCUPATIONAL HOME ECONOMICS; RESOURCE MATERIALS; OCCUPATIONAL INFORMATION; FOOD SERVICE  
OCCUPATIONS

A cooperative effort of the National Restaurant Association and the Division of Vocational and Technical Education of the United States Office of Education resulted in this guide, intended to provide vocational educators, as well as industry management, with an appropriate aid for training food service personnel. Sections include: (1) The Food Service Industry (scope, size, productivity, trends, types of units, and career opportunities), (2) Functions of a Food Service Operation, (3) Salesperson's Role in Meeting Objectives, (4) Qualifications for Successful Sales Work, (5) Opportunities in Sales Work, (6) Work in a Service Unit, (7) Work in A Self-Service Unit, and (8) Summary of Responsibilities. Teaching suggestions are presented at the end of each section and a final section discusses training methods and aids. (AW)

VT 010 242

Mid-Management Teaching Innovations and Projects.

Eastern Washington State Coll., Cheney  
Washington Research Coordinating Unit for Vocational Education, Olympia

Eastern Washington State College, Division of Business and Industry, Cheney, Washington  
99004 (\$1.50).  
PUE DATE - 1Aug69 48p.

\*DISTRIBUTIVE EDUCATION; \*TEACHING METHODS; \*MANAGEMENT EDUCATION; SEMINARS;  
OCCUPATIONAL GUIDANCE; RATING SCALES; SALESMANSHIP  
PROGRAM EVALUATION AND REVIEW TECHNIQUE; PERT

This manual is a collection of 16 presentations of teaching innovations, projects, and learning packages by Washington State distributive education teacher-coordinators. Sample titles of presentations are: (1) "Developing a College Bookstore Through Student Participation," (2) "Sales Presentation Rating Sheet," (3) "Using Program Evaluation and Review Technique (PERT) in Guidance and Counseling," (4) "Developing Proper Selling Attitudes Through Short Quizzes," and (5) "Utilization of Instructional Equipment Teaching in the Round." (JK)

VT 010 254

Distributive Education Teaching Innovations and Projects.

Eastern Washington State Coll., Cheney  
Washington Research Coordinating Unit for Vocational Education, Olympia

Eastern Washington State College, Division of Business and Industry, Cheney, Washington  
99004 (\$1.50).  
PUB DATE - 1Aug69 175p.

\*DISTRIBUTIVE EDUCATION; \*TEACHING METHODS; \*PROJECT TRAINING METHODS; EDUCATIONAL  
INNOVATION; \*INSTRUCTIONAL MATERIALS; \*TEACHING GUIDES

Using the project training method, teacher coordinators and students developed 47 modules or project learning packages for use by Distributive Education teacher-coordinators. The modules include purposes or objectives, background information, teacher activities, student activities, project content, and forms or illustrations where appropriate. The teaching time per module varies according to scope and subject-matter content. This publication is a compilation of what teacher-coordinators consider successful teacher techniques, and is intended to provide ideas for developing one's own learning package. (CH)

HEALTH OCCUPATIONS  
EDUCATION  
SECTION

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VT 002 592

## Health Occupations Planning Guide, Medical Assistant.

North Carolina State Dept. of Public Instruction, Raleigh. Trade and Industrial Education

PUE DATE - Jul66 29p.

\*HEALTH OCCUPATIONS EDUCATION; \*HIGH SCHOOLS; \*MEDICAL ASSISTANTS; \*PROGRAM GUIDES; \*ADMINISTRATOR GUIDES; TEACHER QUALIFICATIONS; PHYSICAL FACILITIES; CLINICAL EXPERIENCE; PROGRAM COSTS; ADMISSION CRITERIA; EQUIPMENT; BIBLIOGRAPHIES  
NORTH CAROLINA

This guide was developed to help high school administrators plan for medical assistant training as provided by the Department of Public Instruction. Sections of the document are: (1) Objectives and Philosophy, (2) Job Description, (3) Course Description and Outline, (4) Teacher Certification, (5) Student Selection, (6) Student Training Restrictions, (7) Medical Assistant Curriculum Options, (8) Suggestions for Student Scheduling, (9) Physical Facilities, (10) Clinical Facilities, (11) Estimated Cost of Medical Assistant Program, (12) Estimated Equipment and Supplies, and (13) Books and References. Forms used in connection with the program are appended. (JK)

VT 002 597

## Health Occupations Planning Guide: Ward Secretary, Course No. 783.3.

North Carolina State Dept. of Public Instruction, Raleigh. Trade and Industrial Education

PUE DATE - Aug65 23p.

\*HEALTH OCCUPATIONS EDUCATION; \*HIGH SCHOOLS; \*WARD CLERKS; CURRICULUM GUIDES; \*ADMINISTRATOR GUIDES; TEACHER QUALIFICATIONS; PHYSICAL FACILITIES; ADMISSION CRITERIA; CLINICAL EXPERIENCE; PROGRAM COSTS; EQUIPMENT; BIBLIOGRAPHIES; SCHEDULING  
NORTH CAROLINA

This guide was developed to help high school administrators plan for ward secretary training as provided by the Department of Public Instruction. Sections of the document are: (1) Objectives and Philosophy, (2) Ward Secretary Course Description and Outline, (3) Teacher Certification, (4) Student Selection, (5) Ward Secretary Curriculum Options, (6) Suggestions for Student Scheduling, (7) Physical Facilities, (8) Estimated Costs of Ward Secretary Program, (9) Estimated Equipment and Supplies, and (10) Books and Reference Materials. Forms used in connection with the program are appended. (JK)

VT 002 598

## Trade Preparatory Training Curriculum Guide: Nurses Assistant 2, Course No. 783.2.

North Carolina State Dept. of Public Instruction, Raleigh. Trade and Industrial Education

PUE DATE - Apr66 21p.

\*HEALTH OCCUPATIONS EDUCATION; \*CURRICULUM GUIDES; \*NURSES AIDES; NURSING; BIBLIOGRAPHIES; \*TEACHING GUIDES; AUDIOVISUAL AIDS; GRADE 11; GRADE 12

This curriculum guide provides a general outline of subject matter to assist the teacher in presenting a course to prepare high school juniors and seniors as nurses' assistants. Units are: (1) Student Orientation, (2) Introduction to Nursing, (3) Health Workers, (4) Human Behavior, (5) Meaning of Health, (6) Meeting Nutritional Needs, (7) Meeting the Needs of the Hospital Patient, (8) Use of Transportation Equipment, (9) Observing and Reporting, (10) Meeting the Need of the Sick Child, (11) Meeting the Needs of the Elderly Patient, and (12) Career and Employment Opportunities. Each unit includes information and Skills to be taught, methods of teaching, and sources of information. The course is planned for approximately 120-minute periods to be scheduled 5 days per week for 36 weeks. The complete time allowance is 360 hours with 134 hours devoted to theory and laboratory and 226 to practice in a clinical Hospital situation. A bibliography, listings of teaching aids, and forms used in connection with the program are included. An introductory health occupations course, described in VT 002

599 (AIM Spring 1970), is a prerequisite. (JK)

VI 008 294

Home Nursing; Programmed Instruction. Instructor's Manual.

American National Red Cross, New York, N.Y.

American National Red Cross, 615 North St. Asaph Street, Alexandria, Virginia 22314 (\$1.50).

PUE DATE - Ncv66 14p.

\*HEALTH OCCUPATIONS EDUCATION; \*TEACHING GUIDES; \*NURSING; HOMEBOUND; \*PROGRAMED MATERIALS

This instructor's manual provides information and guidelines for the use of VI 008 295, the student manual, which is also in this issue. The course was developed commercially with the active involvement of a Red Cross consultant. It was tested with both high school students and housewives until specific criteria were achieved. It is intended for use by anyone with at least seventh grade reading level. Time requirement is estimated at one minute for each of the 393 frames. The instructor's role is to answer questions, demonstrate skills, assist students to practice skills, and to elaborate upon skills and concepts of particular interest and value to the group. A bibliography on programmed instruction is appended. (JK)

VI 008 295

Home Nursing; Programmed Instruction. Student's Manual.

American National Red Cross, New York, N.Y. Nursing Services

American National Red Cross, 615 North St. Asaph Street, Alexandria, Virginia 22314.

PUE DATE - Ncv66 200p.

\*HEALTH OCCUPATIONS EDUCATION; \*STUDY GUIDES; \*NURSING; \*HOMEBOUND; \*PROGRAMED MATERIALS

A total of 393 frames are organized as follows: Lesson I, Maintaining Health covering (1) health habits, (2) diet planning, (3) home nursing fundamentals, (4) feeding the helpless patient, and (5) prevention of infection spread; Lesson II, Recognizing Illness, covering sign and symptoms of illness, throat inspection, temperature, pulse, and respiration, and record keeping; Lesson III, Body Mechanics, covering body posture, and techniques for moving patients and assisting them to move; Lesson IV, Personal Services for the Bed Patient, covering mouth and denture care, bed bath, back rub, and use of the bedpan and urinal; Lesson V, Bedmaking covering bedmaking techniques, techniques for the prevention of infection spread, and use of proper body mechanics; and Lesson VI, Medicines and Simple Treatments covering administration and recording of medications, treatments using heat and cold, and care of major and minor wounds. The instructor's manual is VI 008 294, also in this issue. (JK)

VI 009 485 ED C33 227

Kristy, Jean; McDaniel, Lucy V.

Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.

Rancho Los Amigos Hospital, Inc., Downey, Calif.

Social and Rehabilitation Service (DHEW), Washington, D.C.

Attending Staff Association of Rancho Los Amigos Hospital, Inc., 12826 Hawthorn Street, Downey, California 90242 (\$4.50).

PUE DATE - 68 92p.

\*PROGRAMED MATERIALS; \*HEALTH OCCUPATIONS EDUCATION; \*NEUROLOGY; \*PHYSICAL THERAPY AIDES; ADULT VOCATIONAL EDUCATION; JUNIOR COLLEGES

Designed by physical therapists on the basis of results of job analysis and tested with several individual and two small groups, this programmed text and plate booklet are intended for either individual or group use in a hospital or junior college program. It is suggested that some discussion, demonstration, and application sessions be arranged in connection with each unit. The aim of the material is to provide basic information about the normal structure and function of the nervous system which the physical therapy aide needs to know in order to understand diseases and injuries involving the brain, the spinal cord, and nerves. Four units written in a linear format include: (1) Introduction to Brain and Nerves, (2) The Brain, (3) The Spinal Cord, and (4) Peripheral Nerves. A section addressed to the instructor includes information about

field testing, suggestions for enrichment, and behavioral objectives. The teacher should be a registered physical therapist or nurse. A pretest and a post test are appended. (JK)

#### VT 010 074

Curriculum Guides for Re-Training in Medical Technology.

National Committee for Careers in Medical Technology, Washington, D.C.  
National Council on Medical Technology Education, Memphis, Tenn.  
National Inst. of Health (DHEW), Washington, D.C. Div. of Allied Health Manpower

National Council on Medical Technology Education, 9650 Rockville Pike, Bethesda, Maryland 20014 (\$2.75).

PUB DATE - Jun67 305p.

\*HEALTH OCCUPATIONS EDUCATION; \*MEDICAL TECHNOLOGISTS; \*LABORATORY TECHNOLOGY;  
\*CURRICULUM GUIDES; \*RETRAINING; ADULT STUDENTS

This curriculum guide is intended primarily for the instructor engaged in re-training medical technologists who have been inactive for a minimum of two years. Major sections are: (1) Basic Science, (2) Examination of Urine, Semen, and Gastro-Intestinal Contents, (3) Hematology, (4) Coagulation, (5) Blood Banking and Immunohematology, (6) Microbiology, (7) Parasitology, (8) Immunology-Serology, (9) Instrumentation, (10) Chemistry, (11) Radioisotopes, and (12) Laboratory Administration and Supervision. Each section includes a content outline, a listing of references, and sample questions. (JK)

#### VT 010 511

An Instruction Guide for Teachers of Health Assistants.

Pennsylvania State Dept. of Public Instruction, Harrisburg. Bureau of Vocational, Technical and Continuing Education

State Supervisor, Health Occupations Education, Pennsylvania State Department of Education, P.O. Box 911, Harrisburg, Pennsylvania 17126 (single copies).

PUB DATE - 69 36p.

\*HEALTH OCCUPATIONS EDUCATION; INTERDISCIPLINARY APPROACH; \*ENTRY WORKERS; \*CURRICULUM GUIDES; \*ADMINISTRATOR GUIDES; BIBLIOGRAPHIES; EQUIPMENT; PHYSICAL FACILITIES; HIGH SCHOOLS; OCCUPATIONAL INFORMATION

Prepared by a committee of local teachers with experience in planning and teaching a health assistant course, this handbook is designed to provide assistance to administrators establishing programs and to instructors who are planning and teaching courses. The health assistant is an entry worker who works under the supervision of a professional such as a nurse, physical therapist, or occupational therapist. Course objectives relate to the acquisition of knowledge, skills, attitudes, and habits as well as career exploration. The 1-year course is intended for students who have completed the 10th grade. Recommended instruction time is 15 hours per week. Major sections deal with: (1) philosophy of vocational education, (2) course objectives, (3) instructional practices, (4) physical facilities, (5) special helps in course planning, and (6) course content. Some units are: (1) Body Structure and Functions, (2) Study of Microorganisms, (3) Nutrition, (4) Drug Classifications and Usage, (5) Personal Hygiene, (6) Health Careers, and (7) Interpersonal Relationships. Sample lesson plans and procedure sheets, a listing of equipment and supplies, and a bibliography are included. (JK)

#### VT 010 553

Bent, Edward W.

Emergency Care of the Sick and Injured.

California State Dept. of Education, Sacramento. Bureau of Industrial Education

California State Department of Education, Bureau of Industrial Education, Fire Service Training Program, 721 Capitol Mall, Room 414, Sacramento, California 95814 (\$1.50). (\$1.50).

PUB DATE - 69 122p.

\*MANUALS; \*TRAINING; \*EMERGENCY SQUAD PERSONNEL; INJURIES; ILLUSTRATIONS;  
BIBLIOGRAPHIES; GLC'SSARIES

This manual was prepared to aid fire service personnel in their effort to save lives and minimize suffering by providing a reference for formal training courses, informal

training sessions, and industrial study efforts. The manual is divided into 12 sections which give information about the following types of rescue operations: (1) Making a Diagnosis, (2) Treating Respiratory Emergencies, (3) Treating Circulatory and Heart Emergencies, (4) Treating Toxic Gas and Poison Emergencies, (5) Treating for Heat Emergencies, (6) Treating Flesh and Bone Injuries, (7) Childbirth Emergencies, (8) Treating for Shock, (9) Transporting Patients, (10) Treating Other Emergencies, (11) Rescue, and (12) Organization and Operation of Rescue Squads. Many pictures and diagrams are included in the body of the report and a glossary of terms and a bibliography are appended. (BC)

VT 010 581

Clinical Laboratory Assistant, A Study Guide. File No. 309.

Alabama Univ., University. Dept. of Trade and Industrial Education

Trade and Industrial Education, State Department of Education, P.O. Box 2847,  
University, Alabama 35486 (\$2.00, answer book \$1.25).  
PUB DATE - Jan68 127p.

\*MEDICAL LABORATORY ASSISTANTS; \*STUDY GUIDES; \*HEALTH OCCUPATIONS EDUCATION; STUDENT RECORDS; BIBLIOGRAPHIES; AUDIO VISUAL AIDS; ANSWER KEYS

This fourth revision was developed by a committee of trade and industrial education coordinators with consultation from a group of medical technologists. The three components are a listing of references and audio-visual aids, a student progress record, and lesson sheets which present information and questions to be answered by the student. Seventy-eight lessons are grouped under the topics: (1) Orientation, (2) The Microscope, (3) Urinalysis, (4) Gastric Analysis, (5) Hematology, (6) Blood Banking, (7) Clinical Chemistry, (8) Enzymes, (9) Parasitology, (10) Serology, (11) Spinal Fluid, and (12) Bacteriology. An answer book is available for \$1.25 from the source listed above. (JK)

VT 010 589

Nurse's Aide. A Study Guide and Job Tests.

Alabama Univ., University Dept. of Trade and Industrial Education

Alabama State Dept. of Education, Montgomery. Trade and Industrial Education

Trade and Industrial Education, State Department of Education, P.O. Box 2847,  
University, Alabama 35486 (\$1.75, answer book \$1.25, test book \$1.25, test answers  
\$.75).  
PUB DATE - Jan67 170p.

\*HEALTH OCCUPATIONS EDUCATION; \*NURSES AIDES; \*STUDY GUIDES; ANSWER KEYS; \*TESTS; STUDENT RECORDS; BIBLIOGRAPHIES

This third revision, prepared by trade and industrial coordinators, includes a study guide composed of a bibliography, a student progress record, and 72 lessons of questions and information sheets. A job test booklet presents an objective test for each lesson. An answer book keyed to the study guide and an answer book keyed to the job test booklet are available from the source of the document at \$1.25 and \$.75 respectively. (JK)

VT 010 687

Dental Assistant.

Alabama Univ., University. Dept. of Trade and Industrial Education

Trade and Industrial Education, State Department of Education, P.O. Box 2847,  
University, Alabama 35486 (\$2.50, answer book \$1.50).  
PUB DATE Sep69 111p.

\*HEALTH OCCUPATIONS EDUCATION; \*STUDY GUIDES; DENTAL TECHNICIANS; \*DENTAL ASSISTANTS; \*JOB SKILLS; ON THE JOB TRAINING; WORKBOOKS

Revised by a committee of trade and industrial education coordinators, this study guide is for students use in checking progress in attaining skills necessary for a dental assistant. The first part of the guide contains a listing of 88 job skills with spaces for the student to check his job progress in a four-step method of on-the-job training, and his related study progress in reading reference material and answering study questions. The remaining part of the guide contains study questions and suggested

references for the 88 job skills. A bibliography of student references is included. An answer book "Answer Book for Dental Assistant" may be obtained from the source of availability indicated for this document. {SB}



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HOME ECONOMICS  
EDUCATION  
SECTION

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VI\_000\_089

Home and Family Life Education for Secondary Schools and Adults; Curriculum Guide.  
Curriculum Bulletin Series.

Dallas Independent School District, Tex.

PUB DATE - 12Jun63 66p.

\*HOMEMAKING EDUCATION; \*CURRICULUM GUIDES; CURRICULUM PLANNING; LEARNING ACTIVITIES;  
SECONDARY GRADES

Curriculum materials presented in this teaching guide are planned to develop the competencies necessary for effective personal, family, and community living. Suggestions are given for the following homemaking courses: (1) Eighth-Grade Homemaking and Homemaking 1 and 2 (Grade 9), (2) Homemaking 1-6 (Grades 10-12) with Homemaking 1 and 2 prerequisite to the remaining courses, (3) Home and Family Living 1 and 2, which are independent half-unit courses having no prerequisites and open to both boys and girls, and (4) Home and Family Life Education for out-of-school youth and adults. Scope, expected outcomes, and learning experiences are provided for the units of each course. (SB)

VI\_000\_094

McEniry, Margaret, And Others

Vocational Home Economics Cooperative Training Programs in Food Service for High Schools. Subject Matter Outlines and Selected References for Teachers and Students.

Ohio State Dept. of Education, Columbus

PUB DATE - Apr66 20p.

\*OCCUPATIONAL HOME ECONOMICS; \*CURRICULUM GUIDES; \*FOOD SERVICE OCCUPATIONS; VOCATIONAL EDUCATION; NUTRITION INSTRUCTION; COURSE CONTENT; SECONDARY GRADES; FOODS INSTRUCTION INSTRUCTION

Developed by a committee of state supervisory staff, this course outline is for teacher use in conducting a 2-year job training program in food service at the high school level. The emphasis of the program is on nutrition, quantity planning, and purchasing. The subject matter outline for each year includes course objectives and briefly lists broad concepts for learning about quantity food purchasing, preparation, handling, and serving. The first-year outline includes: (1) health standards and personal hygiene, (2) employment opportunities and job success, (3) kitchen and dining room organization, (4) information on food preparation and quantity and cost control, (5) clean-up procedures, and (6) pertinent legislation. The second-year outline includes: (1) basic nutrition, menu planning, recipe selection, and quantity food purchasing, (2) work simplification and organization, (3) kitchen organization and equipment selection, (4) recordkeeping, (5) job applications, and (6) supervised work experience. A listing of student and teacher references is included. (SB)

VI\_000\_098

Study Guide for Home Economics, Grade Eight.

Nashville-Davidson County Metropolitan Public Schools, Tenn.

PCP DATE - 65 69p.

\*HOMEMAKING EDUCATION; \*CURRICULUM GUIDES; GRADE 8; CURRICULUM PLANNING

This curriculum guide is for teacher use in planning an eighth grade home economics program. Objectives, suggested activities, and teaching and resource materials are provided for the following units: (1) Orientation, (2) Personal Development, (3) Children in the Family, (4) Community and National Living, (5) Food for the Family, (6) Housing for the Family, (7) Clothing for the Family, (8) Family Members as Consumers, (9) Family Relationships, and (10) Health and Family Living. (SB)

VI\_000\_107

Adkins, Colores, And Others

Home Management, Vocational Home Economics Guide.

Phoenix Union High School System, Ariz.

PUE DATE - Jun65 58p.

\*TEACHING GUIDES; \*HOMEMAKING EDUCATION; \*HOME MANAGEMENT; MONEY MANAGEMENT; SECONDARY GRADES

This teaching guide was developed by a vocational home economics workshop held in Phoenix, Arizona, and is to be used for teaching a 1-semester course in home management. Units include: Meaning of Management, Managing Personal and Family Finance, and Managing Time and Energy. Objectives, approximate time schedules, concepts and generalizations, learning experiences and activities, and resources are provided with each unit. Resource materials and source addresses are appended. (SP)

Y1\_000\_118

Scribner, Mayo, And Others

Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.

Stanford Public Schools, Conn.

PUE DATE - 63 126p.

\*HOMEMAKING EDUCATION; \*CURRICULUM GUIDES; CURRICULUM PLANNING; SECONDARY GRADES

Materials developed by home economics teachers in the Stanford school system are included in this curriculum guide. The program for Grades 7, 8, and 9 includes learning experiences, activities and resources for the following subject matter areas: clothing, foods, and home and family living. The program for Grades 10 and 11 provides learning experiences, activities, and resources for Clothing I and II and Foods I and II, while the program for Grade 12 includes learning experiences, activities, and resources for home and family living. (SP)

Y1\_000\_120

Steele, Hilda McDougall, And Others

Home Economics Course Outline, 9th, 10th, 11th, and 12th Grade.

Dayton Public Schools, Ohio

PUE DATE - 63 52p.

\*CURRICULUM GUIDES; \*HOME ECONOMICS EDUCATION; SLOW LEARNERS; BIBLIOGRAPHIES; SECONDARY GRADES

Prepared by a teacher committee, this course outline is for use in planning and implementing high school home economics programs for both boys and girls. Special courses designed to meet the needs of students whose capacities and achievement levels are lower than average are also included. Unit outlines for Home Economics I, II, III, and IV and for Special Education Home Economics I, II, III, and IV (slow learners) give grade level, content, prerequisites, hours required, suggested projects, and electives. An extensive bibliography including textbooks, resource books, bulletins, pamphlets, posters, periodicals, and audio-visual materials is provided. (AW)

Y1\_000\_121

Curriculum Guide for Homemaking Education.

Savannah-Chatham County Public Schools, Ga.

PUE DATE - 64 108p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; SECONDARY GRADES

Developed by a county curriculum committee, this guide is for teacher use in planning student experiences for eighth grade and Homemaking I, II, and III programs. Emphasis, principles and understandings, and suggested group and individual activities are provided for units in the following areas: (1) clothing and textiles, (2) foods and nutrition, (3) relationships, (4) child care and development, (5) home improvement, housing, and home management, and (6) home nursing. (SP)

Y1\_000\_126

ED C3E #87

State Course of Study in Home Economics for Junior and Senior High Schools in Alabama Vol. III, State Course of Study for Alabama Schools

PUB DATE - ND 527p.

\*HOME ECONOMICS EDUCATION; \*STATE CURRICULUM GUIDES; LEARNING ACTIVITIES; SECONDARY GRADES; \*OCCUPATIONAL HOME ECONOMICS; BIBLIOGRAPHIES; COURSE CONTENT; FOODS INSTRUCTION; \*HOMEMAKING EDUCATION

Curriculum materials in each home economics area for junior and senior high school levels were developed over a 5-year period by a committee of state supervisory staff, college department chairmen, teacher educators, and teachers. The sequence of offerings is based on student experience at suggested grade levels and include: basic home economics, advanced home economics, specialized home economics, occupational training, and non-prerequisite courses. The subject-matter content, which is color coded, includes: (1) Art in Individual and Family Living, (2) Clothing and Textiles, (3) Foods and Nutrition, (4) Home Management and Family Economics, (5) Housing, and (6) Human Development and the Family. Concepts, generalizations, content, and learning experience are provided for each grade level. A selected bibliography is provided. (SB)

VI 000 339

Home Economics Guide, Seventh and Eighth Grade, 1965.

Rochester City School District, N.Y. Dept. of Home Economics

PUB DATE - 65 64p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*CURRICULUM GUIDES; FOODS INSTRUCTION; NUTRITION INSTRUCTION; FAMILY RELATIONSHIP; TEENAGERS; CHILD CARE; CHILD DEVELOPMENT; CLOTHING INSTRUCTION; TEXTILES INSTRUCTION; GRADE 7; GRADE 8; \*RESOURCE UNITS

Resource units for teacher use in seventh and eighth grade home economics classes were developed by a home economics curriculum committee in Rochester, New York. Seventh-grade units are Foods and Nutrition and Teenage Relationships. Eighth-grade units are Child Study and Clothing, Textiles, and Grooming. Generalizations, content, suggested experiences, and resources are provided for the concepts in each unit. Bibliographies are included for both units. (SE)

VI 000 352

Homemaking Teachers' Guide: Grades 9-12; Homemaking I, II, III and Home and Family Living.

Abilene Public Schools, Tex.

PUB DATE - 65 129p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; SECONDARY GRADES; CURRICULUM PLANNING

Developed over a 2-year period by Abilene homemaking teachers, this guide is for use in planning a program in home and family life education. A time allotment chart and suggested learning experiences at each grade level (Homemaking I, II and III) are provided for the following areas: (1) Feeding the Family, (2) Clothing the Family, (3) Housing the Family, (4) Health and Home Care of the Sick, (5) Child Development, (6) Family Relationships, and (7) Home Management. A 1-semester course for junior and senior girls and senior boys, Home and Family Living, suggests learning experiences in: (1) Personality Improvement, (2) Family Relations, (3) Dating, (4) Selection of a Mate, (5) Engagement, (6) Selection of Home and Furniture, (7) Being Married, and (8) Marriage Adjustments. A listing of homemaking textbooks for each grade level is included. (SF)

VI 000 386

Learning Experiences for the Seventh and Eighth Grade Home-Living Program. H.F. Pub. 24.

Washington State Board for Vocational Education, Olympia. Home and Family Life Liv.

PUB DATE - 61 83p.

\*CURRICULUM GUIDES; \*HOMEMAKING EDUCATION; GRADE 7; GRADE 8; \*UNIT PLAN; TEACHING TECHNIQUES; \*LEARNING ACTIVITIES

A series of learning experiences designed to aid teachers in meeting the needs and interests of seventh and eighth grade students was developed during a 2-year study by a

group of teachers and administrators from 14 centers and 20 schools in Washington. An overview of the study is provided in Part I of the guide. Resulting from the study were a series of short teaching units in home living, and Part II contains 36 examples of these units. Included with each short unit are reasons for the unit, pupil goals, and learning experiences. Part III contains expected behavior outcomes for the units and an adaptation of a scope and sequence chart in terms of behavioral objectives. Suggestions for other learning experiences, teaching techniques, and teacher references are located in Part IV. Part V is a compilation of materials in the junior high school level, including organization and purpose of the junior high school, developmental characteristics of teenagers, needs and interests of early adolescents, and references. (SE)

VI\_000\_387

Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes. H.E. Bul. no. 29.

Washington State Board for Vocational Education, Olympia. Home and Family Life Education Education

PUB DATE - 65 74p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*HOME MANAGEMENT; INTERIOR DESIGN; FURNITURE ARRANGEMENT; SPACE UTILIZATION; FAMILY MANAGEMENT; COMMUNITY INVOLVEMENT; COMMUNITY SERVICES; SECONDARY GRADES

Teachers in Washington during the 1962-64 school years identified the areas of home management and developed the behavioral outcomes, principles, and learning experiences on which this teacher's guide for beginning, intermediate, and advanced levels is based. Included are sections on behavioral outcomes and principles for: (1) identifying housing values and translating into goals, (2) meeting specific aesthetic goals, (3) meeting economic, comfort, and efficiency goals, and (4) developing the relation of family housing to the larger society. Generalizations, learning experiences, and resources are presented for each learning level in the sections. Bulletins, pamphlets, kits, films, and textbooks are appended. (SE)

VI\_000\_389

Working Material in Teaching Housing.

Nebraska State Dept. of Education, Lincoln. Home Economics Education

PUB DATE - Feb 66 21p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*HOUSING; INTERIOR DESIGN; HOME MANAGEMENT; SPACE UTILIZATION; COMMUNITY PLANNING; SECONDARY GRADES

Originally developed in conferences in Nebraska, these curriculum materials were later tested in the classroom and revised by a state home economics curriculum committee. The mimeographed guide presents the materials as concepts on three learning levels, with the second level dependent on the first, but the third level independent of the other two. Concepts studied are attractive surroundings in Level One, the livable home, home responsibilities, and trends in housing in Level Two, and physiological, psychological, and sociological aspects of housing in Level Three. Included with each concept are generalizations and learning experiences. Student and teacher references and supplementary resource materials are found in the bibliography. (SE)

VI\_000\_445

Yauger, Ruth, And Others

Home Economics; Senior High School--Home Planning. Publication No. 173.

Akron Public Schools, Chic

Board of Education Warehouse, 550 East North Street, Akron, Ohio 44304 (\$2.00).

PUB DATE - 64 90p.

\*HOMEMAKING EDUCATION; \*CURRICULUM GUIDES; SECONDARY GRADES; \*HOME MANAGEMENT; HOMEMAKING SKILLS; \*HOME FURNISHINGS

Developed by a curriculum study committee, and tested in the Akron (Ohio) Public Schools, this guide is for teacher use with students in grades 11 and 12 who have had at least a year of home economics. The two semester-long courses are Home Planning (houseing and decoration) and Home Management (time, energy, and money). Learning experiences, classroom activities, provisions for individual differences, community

activities, visual aids, and references are included with each unit. Each course meets 1 period daily, 5 days a week. Supplementary materials needed include the textbook, "Understanding and Guiding Young Children," by Baker and Fane (Prentice Hall, New York), and also transparencies, visual aids, and books on consumer education, family relations, and management. (SB)

VT 000 446

Yauger, Ruth, And Others

Home Economics, Senior High School--Foods. Publication No. 172.

Akron Public Schools, Ohio

Board of Education Warehouse, 550 East North Street, Akron, Ohio 44304 (\$2.00).

PUB DATE - 64 79p.

\*CURRICULUM GUIDES; \*HOME ECONOMICS EDUCATION; \*FOODS INSTRUCTION; \*NUTRITION INSTRUCTION; COOKING INSTRUCTION; SECONDARY GRADES

A curriculum study committee developed these curriculum materials for teacher use in planning a 2-year foods program. Foods and Nutrition I (Meal Planning) is designed as an elective for Grades 10, 11, or 12, and emphasizes principles of nutrition, consumer education, and management of time, materials, and equipment. Foods and Nutrition II (Specialty Food Preparation) is designed as an elective for Grades 10, 11, or 12 with Foods and Nutrition I as a prerequisite. The emphasis of this course is on study of nutrition, advanced methods of food preparation, gourmet foods, and creative and experimental cookery. A course description, objectives, learning experiences, classroom activities, provision for individual differences, interrelationships to other subject areas, skill competencies, community activities, a look at future careers and vocations, visual aids, and references accompany the units in each course. Supplementary references in foods and nutrition are necessary. (SB)

VT 000 447

Yauger, Ruth, And Others

Home Economics, Senior High School--Clothing.

Akron Public Schools, Ohio

Board of Education Warehouse, 550 East North Street, Akron, Ohio 44304 (\$2.00).

PUB DATE - 64 107p.

\*CURRICULUM GUIDES; \*HOMEMAKING EDUCATION; \*CLOTHING INSTRUCTION; \*TEXTILES INSTRUCTION; CLOTHING DESIGN; SECONDARY GRADES; \*TEACHING GUIDES

A senior high school curriculum study committee developed these curriculum materials for teacher use in planning a 3-year clothing course. Clothing I (Personal Appearance, Selection and Construction), Clothing II (Textiles and Tailoring), and Clothing III (Professional Tailoring and Design) are intended for Grades 10, 11, and 12, respectively, with Clothing I a prerequisite for the remaining courses. Objectives, course descriptions, learning experiences, classroom activities, interrelationships with other subject areas, community activities, visual aids, and references are provided for each course. A list of sources for teacher aids is included with Clothing III. As a necessary supplement, reference materials are needed on clothing construction, textiles, and purchasing of ready-to-wear clothes. (SB)

VT 000 815

A Guide to Housekeeping.

Cleanliness Bureau, New York, N.Y.

North Carolina State Board of Education, Raleigh. Adult Basic Education

PUB DATE - 65 55p.

\*STUDY GUIDES; RESOURCE MATERIALS; \*HOME ECONOMICS EDUCATION; \*HOMEMAKING SKILLS; SAFETY SAFETY

House-cleaning tasks, home safety hints, and a house-cleaning plan are included in this reference material, illustrated with line drawings. Each house-cleaning task first lists the supplies needed, followed with step-by-step instructions for performing the task. The house-cleaning plan lists tasks to be performed daily, weekly, and monthly. The home safety section includes safety hints for avoiding possible home accidents. (SP)

**VI 000 888**

Schubert, Genevieve W.

A Sample Wage Earning Training Program for Waitress Training, Designed to Utilize Home Economics Skills and Knowledge and to Meet the Requirements of the Vocational Act of 1963.

Milwaukee Vocational, Technical, and Adult Schools, Wis. Home Economics Div.

PUB DATE - ND 62p.

\*PROGRAM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; PROGRAM PLANNING; COURSE DESCRIPTIONS; \*FOOD SERVICE OCCUPATIONS; FOODS INSTRUCTION; SECONDARY GRADES  
\*WAITER WAITRESS TRAINING

Prepared by the Milwaukee Vocational, Technical, and Adult Schools, this guide is for teacher use in planning a 1-semester waiter-waitress training program which uses on-the-job training. Students must have completed a year of basic home economics prior to enrolling in the course. Section 1, Program Planning and Organization, provides an overview of the program, curriculum concepts, steps in program planning, and sample student information and community survey forms. Section 2, Implementing the Program, includes a job description, instructional outlines of required course topics, and sample student evaluation forms. Section 3, Post-Program Suggestions, contains followup techniques and sample employer-employee evaluation forms (SB)

**VI 000 889**

A Sample Wage Earning Training Program for Dry Cleaning and Laundry Aide, Designed to Utilize Home Economics Skills and Knowledge and to Meet the Requirements of the Vocational Education Act of 1963.

Milwaukee Vocational, Technical, and Adult Schools, Wis. Home Economics Div.

PUB DATE - ND 49p.

\*PROGRAM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; PROGRAM PLANNING; CLOTHING; CLOTHING INSTRUCTION; COURSE DESCRIPTIONS; SECONDARY GRADES  
\*DRY CLEANING AND LAUNDRY AIDE

Developed by the Milwaukee Vocational, Technical, and Adult Schools, this planning guide is for teacher use in developing a 1-semester wage training program for dry cleaning and laundry aides. The program is planned for at least 10 students who have had a year of basic home economics. The course, to be taught with or without on-the-job training, includes the following sections: (1) Program Planning and Organization, giving an overview of the program, planning steps, and examples of student information and community survey forms, (2) Implementing the Program, including educational concepts of the program, job description, instructional outlines for course topics, and sample student evaluation forms, and (3) Post-Program Suggestions, including follow-up techniques and sample employer-employee evaluation forms. (SB)

**VI 000 891**

Schubert, Genevieve W.

A Sample Wage Earning Training Program for Home Management Aide, Designed to Utilize Home Economics Skills and Knowledge and to Meet the Requirements of the Vocational Education Act of 1963.

Milwaukee Vocational, Technical and Adult Schools, Wis. Home Economics Div.

PUB DATE - ND 58p.

\*PROGRAM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; PROGRAM PLANNING; COURSE DESCRIPTIONS; HOME MANAGEMENT; \*SERVICE OCCUPATIONS; CHILD CARE; HEALTH EDUCATION; SECONDARY GRADES

This program planning guide, prepared by the Milwaukee Vocational Technical and Adult Schools, is for teacher use in developing a 16-week wage training program for home management aide. The course, which utilizes classroom instruction coupled with on-the-job training, is planned for a 10-student class in the 11th or 12th grade who have had a year of basic home economics and a course in orientation to employment. Section 1, "Program Planning and Organization," provides an overview of the program, steps in program planning, and sample student information and community survey forms. Section 2,



"Implementing the Program," contains a job description, instructional outlines for the required course topics, teacher evaluation forms, and a bibliography. Section 3, "Post-Program Suggestions," provides follow-up techniques and evaluation forms. (SB)

VI-000-892

Schubert, Genevieve W.

A Sample Wage Earning Training Program for Child Day Care Aide, Designed to Utilize Home Economics Skills and Knowledge and to Meet the Requirements of the Vocational Education Act of 1963.

Milwaukee Vocational, Technical, and Adult Schools, Wis. Home Economics Div.

PUB DATE - ND 62p.

\*OCCUPATIONAL HOME ECONOMICS; \*PROGRAM GUIDES; \*CHILD CARE WORKERS; GRADE 12; ADULT VOCATIONAL EDUCATION

A suggested 36-week (540 hours) program for training child care workers was prepared by the Home Economics Division of the Milwaukee Vocational Technical and Adult Schools. Sections include: (1) Program Planning and Organization, (2) Implementing the Program, and (3) Post-Program Suggestions. The teacher should be a college graduate with a major in early childhood education or child development and family life education. Student prerequisites include: (1) 1 school year of basic home economics, (2) a 1-semester course in orientation to the world of work, (3) 16 years of age or older, and (4) a senior in high school. (SB)

VI-000-893

Schubert, Genevieve W.

A Sample Wage Earning Training Program for Short Order Cook, Designed to Utilize Home Economics Skills and Knowledge and to Meet the Requirements of the Vocational Education Act of 1963.

Milwaukee Vocational, Technical, and Adult Schools, Wis. Home Economics Div.

PUB DATE - ND 73p.

\*OCCUPATIONAL HOME ECONOMICS; \*PROGRAM GUIDES; \*FOOD SERVICE OCCUPATIONS; PROGRAM PLANNING; NUTRITION INSTRUCTION; FOODS INSTRUCTION; \*COOKS; FOOD SERVICE WORKERS; SECONDARY GRADES; \*WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; COURSE DESCRIPTIONS

Developed by the Milwaukee Vocational, Technical, and Adult Schools, this guide is for teacher use in developing a wage-earning program for short-order cook. The 36-week program has been prepared for a maximum of 10 students who must be 16-21 and in the 11th or 12th grade and who have had one unit each of basic home economics and occupational orientation. The course is designed to be taught in the classroom accompanied by on-the-job training. Section 1, "Program Planning and Organization," contains an overview of the program, suggestions for organizing the program, and examples of student information and community survey forms. Section 2, "Implementing the Program," provides a job description, instructional outlines for the required course topics, examples of trainee evaluation forms, and a bibliography. Section 3, "Post-Program Suggestions," gives suggestions for followup and evaluation. (SB)

VI-001-646

Byrd, Fannie Lee

Teaching Family Finance. A Resource Guide for Home Economics Teachers.

Georgia Univ., Athens. Coll. of Education

Georgia State Dept. of Education, Atlanta. Div. of Vocational Education

Department of Home Economics Education, College of Education, University of Georgia, Athens, Georgia (\$1.00).

PUB DATE - Aug 64 104p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*CONSUMER EDUCATION; \*MONEY MANAGEMENT; FAMILY MANAGEMENT; BIBLIOGRAPHIES; \*CURRICULUM GUIDES; STUDENT EVALUATION

Designed to assist home economics teachers in teaching family finance, the guide was developed in the 1963 Education in Family Finance Workshop sponsored by the Institute of Life Insurance in cooperation with the College of Education and the School of Business Administration at the University of Georgia, and further refined and tested by home economics teachers. Three units are presented: (1) Managing Personal Income, (2) Managing Family Income, and (3) Managing Income of a Requiring Family. The format of

each unit is a list of objectives followed by an outline of six parallel columns headed: (1) Selected Emphasis and Possible Problems, (2) Generalizations: Principles and Understandings, (3) Group Experiences, (4) Individual Experiences, (5) Evidence of Growth, and (6) Teaching Aids. Case problems, bulletin board ideas, and evaluation devices are appended. (JK)

VT 001-896

Walker, Helen

Curriculum Plan for a Course in Family Living, Champaign Senior High School.

Champaign Community Unit 4 School District, Ill. Curriculum Resource Center

Curriculum Resource Center, Champaign Community Unit School District No. 4, 703 South New Street, Champaign, Illinois 61820 (no charge).

PUB DATE - 65 174p.

\*HOMEMAKING EDUCATION; \*CURRICULUM GUIDES; \*FAMILY LIFE EDUCATION; FAMILY MANAGEMENT; PARENT EDUCATION; MARRIAGE; CHILD DEVELOPMENT; DATING (SOCIAL); GRADE 12

Curriculum materials for teaching a 2-semester course in family living have been developed by a Champaign, Illinois, home economics teacher. The course is designed as an elective for senior boys and girls and requires no prerequisites. A subject matter outline for the three sections, Preparation for Marriage, Family Money Management, and Preparation for Parenthood, contains suggested time allotment and student-teacher references. Objectives, vocabulary terms, subject matter generalizations, learning experiences, and film guides accompany the units of each section. (SB)

VI 002-062

Suggestions for the Teaching of Personal and Family Finance. Curriculum Bulletin No. 6.

Wyoming State Dept. of Education, Cheyenne

PUB DATE - 66 147p.

\*HOMEMAKING EDUCATION; \*RESOURCE MATERIALS; UNIT PLAN; \*MONEY MANAGEMENT; FAMILY MANAGEMENT; TEENAGERS; SECONDARY GRADES; CURRICULUM PLANNING

Developed in two state conference workshops, the three resource units, each for a different grade level, are: Money Wise Teens (Home Economics I), Personal and Family Money Management (Home Economics II), and Money Management for Young Adults (Home Economics III). In each unit suggestions are given for: (1) time allotment, (2) planning the unit with the students, (3) developing several major problem areas, (4) evaluating student progress, and (5) student and teacher references and teacher resource materials. (SF)

VI 002-955 ED 019 446

Long Beach City College Content Outlines for Courses in Home Economics-Related Occupations.

Long Beach City Coll., Calif.

Illinois Teacher of Home Economics; v9 n4 pp199-224 1965-66.

PUB DATE - Aug65 27p.

\*OCCUPATIONAL HOME ECONOMICS; \*CURRICULUM GUIDES; \*FOOD SERVICE WORKERS; ADULT VOCATIONAL EDUCATION; APPLIED TRADES; PCOD; SEWING INSTRUCTION

Information on revised home economics related occupations courses is presented for (1) trade cooks, (2) kitchen helpers, (3) pantrymen, (4) fry cooks, (5) dinner cooks, (6) bakers and pastrymen, (7) meat cutters, (8) hotel, restaurant and institutional cooks, and (9) industrial sewing workers. The time required, prerequisites, purpose, catalog description, and course content outline are included for each course. (MS)

VI 003-587

Tucker, Clara

Homemaker Service Training Syllabus.

Louisiana State Univ., Baton Rouge. School of Home Economics

PUB DATE - Sep66 117p.

\*OCCUPATIONAL HOME ECONOMICS; \*PROGRAM GUIDES; \*VISITING HOMEMAKERS; \*SERVICE OCCUPATIONS; FAMILY LIFE; CHILD DEVELOPMENT; HOME MANAGEMENT; COMPANIONS (OCCUPATION); SPECIAL HEALTH PROBLEMS; OLDER ADULTS; MENTAL RETARDATION; NUTRITION INSTRUCTION; ACCIDENT PREVENTION; FIRST AID; PROGRAM PLANNING; ON THE JOB TRAINING; ADULT VOCATIONAL EDUCATION

Developed by a committee of home economists, this syllabus is designed to help teachers organize and teach a homemaker service training program. The first part of the guide is devoted to organizing the program, which includes establishing the advisory committee, recruiting and screening trainees, and determining course content and work experience. The training consists of an 80-hour course (60 hours of instruction and 20 hours of supervised work experience) for a recommended enrollment of 25 persons with at least an eighth grade education. Time allotment, concepts, content outline, suggested activities, and reference materials are included for these units: (1) Introduction to Visiting Homemaker Service, (2) Ethics of Visiting Homemaker Service, (3) Working with People in the Home, (4) Understanding the Chronically Ill and Aging, (5) Personal Care of the Sick and Aging, (6) Mental Health, (7) Rehabilitation of the Aging and Ill, (8) Basic Nutrition, (9) Management--Use of Resources in the Home, (10) First Aid and Accident Prevention, (11) Human Development and the Family, and (12) Understanding Mental Retardation. Questions which may be used for trainee evaluation are given in the last section. (SB)

VI-007-962 ED 029 960  
Rahsler, Harold F.; Kiehn, Shirley  
A Research Basis for Child Care Curriculum Development.

PUE DATE - ND 11p.

CURRICULUM DESIGN; \*CURRICULUM RESEARCH; \*OCCUPATIONAL HOME ECONOMICS; BEHAVIORAL OBJECTIVES; \*CHILD CARE OCCUPATIONS; TASK ANALYSIS; CLUSTER GROUPING; \*CURRICULUM DEVELOPMENT; \*RESEARCH UTILIZATION; FUNDAMENTAL CONCEPTS

The educational implications of the research, "A Survey and Analysis of Major Tasks, Knowledge Associated with Work and Child Care Occupations," (ED 021 066 or VI 005 525, ARD Winter 1969) are examined. A proposed framework for curriculum development in child care contains task analysis, knowledge derivation, behavioral objective development, and organization of objectives into the curriculum. The knowledge required for the performance of many given tasks may transfer to the performance of others. General sets of capabilities increase the occupational opportunity and choice of individual students. To be useful as a component in vocational curriculum building, functional definitions of the characteristics and capabilities of a person who has attained an educational objective are needed. A behavioral objective states what the student can do, but it does not in any way state how the behavior must be learned. Teaching then becomes an act designed to facilitate learning, not an act having relevance in itself. A curriculum in child care should be a meaningful collection of behavior objectives which enables the learner to perform certain tasks and assume more responsibility for his own education. By beginning with knowledge and developing a curriculum of behavioral objectives, one exceeds the commonality of tasks and opens up a large potential for further generality. (FP)

VI-008-200  
Your Guide for Teaching Money Management.

Household Finance Corp., Chicago, Ill. Money Management Inst.

Household Finance Corporation, Prudential Plaza, Chicago, Illinois 60601 (\$2.25).  
PUE DATE - 68 31p.

\*CURRICULUM GUIDES; HOME ECONOMICS EDUCATION; \*MONEY MANAGEMENT; SECONDARY GRADES;  
\*UNITS OF STUDY (SUBJECT FIELDS)

These guidelines are for teacher use in planning consumer education to prepare students to make intelligent consumer decisions, and they contain suggestions for working with those of limited, average, and advanced abilities, low income groups, sub-groups, and adults. Techniques are outlined, and examples included to aid in the use of word association, opinion polls, questionnaires, case studies, guest speakers, and individual activities to activate students. Generalizations, learning experiences, discussion questions, individual and group activities, and references are listed for the following money management concepts: (1) Values and Goals, (2) Money Management, (3) Money Income, (4) Consumer Partnerships, (5) Consumer Credit, (6) Savings, Insurance and Investments, and (7) Consumer Rights and Responsibilities. Sources and

criteria for selection of resource people, educational materials, and evaluation devices are included in the document. (FP)

YI\_068\_286

A Handbook for Teachers of Home Economics. Curriculum Bulletin No. 7.

New York City Board of Education, N.Y. Bureau of Curriculum Development

Publications Sales Office, Board of Education of the City of New York, 110 Livingston Street, Brooklyn, New York 11201 (\$2.50).

PUB DATE - Jun68 89p.

TEACHING GUIDES; HOME ECONOMICS EDUCATION; HOME ECONOMICS TEACHERS; \*TEACHER RESPONSIBILITY; \*TEACHING METHODS; SECONDARY GRADES

The handbook for classroom teacher use provides orientation and reference materials in methodology, extra-curricular activities, routines, safety, and professional growth. Contents are organized typically as: (1) Class Activities and Management, (2) Publicity, (3) References, (4) Routines, (5) Safety, (6) Scholarship and Awards, and (7) The Teacher. The Class Activities and Management section includes materials on clubs, contests, field trips, general hints for first term teaching, discipline cues, letters to parents, planning and time schedules. Routines are described for the laboratories, general classroom operation, evaluation, supplies, equipment, and requisitions. Teacher responsibility, privileges, and qualities are discussed in regard to accidents, attire, duties and professional growth. The Safety section includes safety reports and practices, accident forms, and instructional materials for use in teaching safe practices related to Home Economics. The student's written safety examination is included in the document. (FP)

YI\_068\_371

Family Finance and Consumer Education for Secondary Schools and Adult Education. Home Economics Bulletin No. 71.

Idaho State Board for Vocational Education, Boise. Home Economics Education

Idaho State Board for Vocational Education, 518 Front Street, Boise, Idaho 83702 (\$3.00).

PUB DATE - May66 201p.

\*CURRICULUM GUIDES; \*HOME ECONOMICS EDUCATION; \*CONSUMER EDUCATION; \*MONEY MANAGEMENT; FAMILY INCOME; ADULT EDUCATION; \*FAMILY MANAGEMENT; SECONDARY GRADES

Resource materials for teacher use in developing consumer education curriculum for secondary level and adult homemaking students were developed by a group of homemaking teachers. A multi-color format distinguishes the beginning, intermediate, and adult level instructional material. Unit content is organized according to concepts, generalizations, and learning experiences which will help the students analyze cause and effect of problems and draw their own conclusions. The pupil thus gains experience in thinking through problems and in forming a framework for future problem solving. Each unit contains a reference list. Topics at the beginning level are personal money management, credit buying, personal recreation, and clothing buying. Major concerns of intermediate level are managing the family food dollar and home furnishings. The advanced level curriculum covers income, tax, credit, housing, health, savings, investment and insurance. (FP)

YI\_069\_332

Shaffer, Pauline  
You, the waitress.

California State Polytechnic Coll., San Luis Obispo. Dept. of Home Economics  
California State Dept. of Education, Sacramento

Vocational Education Productions, California State Polytechnic College, San Luis Obispo, California 93401 (\$7.50 for filmstrip and illustrated script).

PUB DATE - 67 20p.

\*FILMSTRIPS; \*SCRIPTS; \*OCCUPATIONAL HOME ECONOMICS; \*FOOD SERVICE WORKERS; \*SALES WORKERS; \*FOOD SERVICE; SECONDARY GRADES; POST SECONDARY GRADES; OCCUPATIONAL INFORMATION; OCCUPATIONAL GUIDANCE; CAREER OPPORTUNITIES  
\*WAITRESSES

This illustrated manual and its companion 65-frame filmstrip were developed by college

SCC  
A18/SUNNER 70  
faculty and high school teachers for use in high school or junior college vocational classes. The material was reviewed by teachers and subject-matter specialists prior to and following production. Vocational teachers will normally use this filmstrip for one or two class periods for viewing and discussion with average ability students. The content provides occupational information and presents the essentials of table-setting and food service. The duties of the waitress are described, including the setting of tables, service of food, and clearing of tables. Additional supplementary material should be used in addition to the material in the filmstrip and illustrated manual. (DM)

VI\_009\_525

Instructional Guide for Pura Sexualit. Tentative Guide.

Parsippany-Troy Hills Board of Education, Parsippany, N.J. Curriculum Materials Center

Parsippany-Troy Hills Township School, Box 52, Parsippany, New Jersey 07054 (\$3.50).  
PUE DATE - ND 190p.

\*TEACHING GUIDES; \*CURRICULUM GUIDES; HOME ECONOMICS EDUCATION; \*LESSON PLANS; \*SEX EDUCATION; \*SEXUALITY; INSTRUCTIONAL MATERIALS; AUDIOVISUAL AIDS; BIBLIOGRAPHIES; REFERENCE MATERIALS; ANNOTATED BIBLIOGRAPHIES; ELEMENTARY GRADES; SECONDARY GRADES

Developed by a teacher committee, this teacher's guide is for use in planning and implementing lessons in sex education for grades kindergarten through 12. The first part of the guide includes separate instructional units for each grade, providing, in outline form, concepts to be developed, suggested content, and learning activities. Appendixes following the units for grades nine to 12 are concerned with various problems and questions of social and sexual development. The second major portion of the content, the teacher reference section, provides: (1) definitions and statements, (2) reference books listed specifically for the primary, intermediate, and secondary levels, (3) list of publications, notes, and booklets with brief annotations, (4) free or inexpensive resource materials available, (5) recommended audiovisual materials, (6) pupil resources or learning materials, (7) suggested parent references, and (8) a general bibliography. Additional resource material is desirable in presenting the subject. (AW)

VI\_009\_543

Clothing Repairs. Home and Garden Bulletin No. 107.

Agricultural Research Service (DOA), Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(A 77:107, \$1.25).  
PUE DATE - Oct65 32p.

\*RESOURCE MATERIALS; \*HOMEMAKING EDUCATION; \*CLOTHING; \*SUPPLEMENTARY TEXTBOOKS; \*CLOTHING INSTRUCTION; ILLUSTRATIONS

This teacher and student reference, prepared as a consumer service by the Agricultural Research Service, provides information on the following: (1) mending equipment and aids, (2) basic repair stitches and their uses, (3) reinforcement of garments before wearing, (4) patches and darts, and (5) mends for common clothing damages. Photographs and line drawings illustrate the repairing procedures. (SE)

VI\_009\_550 ED C37 527

Dietitian Aide.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University, Lubbock, Texas 79409 (\$10.00).  
PUE DATE - Sep69 337p.

\*CURRICULUM GUIDES; \*STUDY GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*FOOD SERVICE WORKERS; \*DIETITICS; COOPERATIVE EDUCATION; JOB ANALYSIS; TASK ANALYSIS; HEALTH PERSONNEL; GRADE 11; GRADE 12; INSTRUCTIONAL MATERIALS; OCCUPATIONAL INFORMATION

This course of study for the dietitian aide is one of a series available for use by teacher-coordinators and students in Grade 11 and 12 home economics cooperative education programs. Based on job analysis interviews with health care facilities personnel, this course was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Intended for teacher use in



course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. Contents consist of four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Unit topics are: (1) What is a Dietitian Aide? (2) Dietitian Aide: A Member of the Dietary Team, (3) Diet Therapy, (4) Dietary Food Service Equipment, (5) Techniques of Food Preparation, (6) Fundamentals of Food Service Procedures, (7) Safety Precautions, (8) Sanitation, and (9) Basic Skills in Management. Units give tasks, objectives, questions, references, and assignments. A bibliography is included. (AW)

VI\_009\_959 ED 037 528  
Home Economics Cooperative Education.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$3.50).  
PUB DATE - Aug69 106p.

\*PROGRAM GUIDES; \*PROGRAM PLANNING; \*OCCUPATIONAL HOME ECONOMICS; \*COOPERATIVE  
EDUCATION; \*INSTRUCTOR COORDINATORS; INSTRUCTIONAL MATERIALS; EMPLOYMENT PROGRAMS;  
PROGRAM COORDINATION; SECONDARY GRADES

Prepared by home economics instructional materials center staff, this handbook is for use by home economics cooperative education teacher-coordinators in planning vocational home economics fairful employment programs and courses on the high school level. Contents include: (1) general information on the programs, (2) approved occupations for the program, (3) teacher qualifications and information on the role of the teacher-coordinator, (4) organization and composition of the advisory committee, (5) facilities and equipment, (6) selection of students and training stations, (7) student placement, (8) training plans and related class instruction, (9) instructional materials recommended for the program, (10) various suggested activities, (11) program publicity, and (12) information on Future Homemakers of America. Supplementary materials provided include samples of: (1) questionnaires, reports, forms, rating sheets, and training plans, (2) unit plans, with study questions and assignments, unit test, and answer sheet, (3) employer rating sheets and correspondence, (4) teacher-coordinators' schedule forms and diary entries, (5) newspaper articles, (6) business correspondence, and (7) publicity chart. The handbook was developed for use in Texas schools, but could be adapted for use in other geographic locations. (AW)

VI\_009\_960 ED 037 529  
Housekeeping Management Assistant.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$9.50, student edition for \$6.00).  
PUB DATE - Sep69 273p.

\*CURRICULUM GUIDES; \*STUDY GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*MAIDS; COOPERATIVE  
EDUCATION; JOB ANALYSIS; TASK ANALYSIS; INSTRUCTIONAL MATERIALS; GRADE 11; GRADE 12;  
OCCUPATIONAL INFORMATION

This course of study for housekeeping management assistant is one of a series available for use by teacher-coordinators and students in home economics cooperative education programs for grades 11 and 12. Based on job analysis interviews with hotel, motel, hospital, institutional, and domestic housekeeping personnel, this course was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Intended for use by teachers in course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. The content consists of four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Some topics covered are: (1) description of housekeeping management assistant, (2) equipment and supplies, (3) daily duties, (4) daily duties in hospitals, (5) occasional duties, (6) floor maintenance, (7) laundry procedures, and (8) child care. Most units include tasks, objectives, references, assignments, and questions, and some are illustrated with line drawings and diagrams. A bibliography is provided. (AW)

VI 009 961 ED C37 530  
Food Service Employee.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$10.00).  
PUB DATE - Sep69 401p.

\*CURRICULUM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*FOOD SERVICE WORKERS; \*FOOD SERVICE  
\*STUDY GUIDES; FOODS INSTRUCTION; COOPERATIVE EDUCATION; JOB ANALYSIS; TASK ANALYSIS;  
INSTRUCTIONAL MATERIALS; GRADE 11; GRADE 12; OCCUPATIONAL INFORMATION

This course of study for the food service employee is one of a series available for use by teacher-coordinators and students in Grade 11 and 12 home economics cooperative education programs. Based on job analysis interviews with food service personnel, it was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Designed for use by teachers in course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. The content contains four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Unit topics are (1) What is a Food Service Employee? (2) Sanitation, (3) Safety Precautions, (4) Commercial Kitchen Equipment, (5) Techniques of Food Preparation, (6) Food Production, (7) Fundamentals of Bus Service, (8) Table Service Techniques, and (9) Procedures for Receiving and Storing Foods. Units provide information, questions, assignments, and student exercises. (AW)

VI 009 962 ED C37 531  
Clothing Assistant.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$10.00).  
PUB DATE - Sep69 352p.

\*CURRICULUM GUIDES; \*STUDY GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*CLOTHING MAINTENANCE  
SPECIALISTS; SEAMSTRESSES; \*NEEDLE TRADES; COOPERATIVE EDUCATION; JOB ANALYSIS; TASK  
ANALYSIS; INSTRUCTIONAL MATERIALS; GRADE 11; GRADE 12; OCCUPATIONAL INFORMATION

This course of study for clothing assistants is one of a series available for use by teacher-coordinators and students in Grade 11 and 12 home economics cooperative education programs. Based on job analysis interviews with drycleaning and retail store alteration department personnel, this course was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Intended for teacher use in course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. Contents consist of four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Topics covered include: (1) definition of a clothing assistant, (2) ready made clothing, (3) equipment, (4) general alterations, (5) men's and women's alterations, (6) repairing clothing, (7) drycleaning procedures, and (8) fabric types. Most units contain general information on the subject, tasks, objectives, references, and assignments. Numerous diagrams and line drawings are included. (AW)

VI 009 963 ED C37 532  
Child Care Aide.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$10.00).  
PUB DATE - Sep69 433p.

\*CURRICULUM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*STUDY GUIDES; CHILD CARE; \*CHILD  
CARE WORKERS; \*CHILD CARE OCCUPATIONS; COOPERATIVE EDUCATION; JOB ANALYSIS; TASK  
ANALYSIS; INSTRUCTIONAL MATERIALS; GRADE 11; GRADE 12; OCCUPATIONAL INFORMATION



This course of study for the child care aide is one of a series available for use by teacher-coordinators and students in Grade 11 and 12 home economics cooperative education programs. Based on job analysis interviews with child care center personnel, the course was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Intended for teacher use in course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. Contents consist of four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Some of the unit topics are: (1) The Child and His Family, (2) The Child in a Child Care Center, (3) Children's Food and Eating Habits, (4) Children's Play: A Learning Experience, (5) Books and Music for Children, (6) Nature and Science Experiences, (7) Toys and Games for Children, (8) Health and Safety, (9) Infant Care, and (10) The Exceptional Child. Most units include tasks, objectives, references, and assignments, and many are illustrated with line drawings. A bibliography is provided. (AW)

VT 009 964 ED 037 533  
Home Furnishings Aide.

Texas Tech Univ., Lubbock. Home Economics Instructional Materials Center  
Texas Education Agency, Austin. Div. of Homemaking Education

Home Economics Instructional Materials Center, P.O. Box 4067, Texas Tech University,  
Lubbock, Texas 79409 (\$10.50, student edition for \$7.00).  
PUB DATE - Sep 69 484p.

\*CURRICULUM GUIDES; \*OCCUPATIONAL HOME ECONOMICS; \*HOME FURNISHINGS; \*STUDY GUIDES; JOB ANALYSIS; FURNITURE; COOPERATIVE EDUCATION; TASK ANALYSIS; INSTRUCTIONAL MATERIALS; GRADE 11; GRADE 12; OCCUPATIONAL INFORMATION

This course of study for the home furnishings aide is one of a series available for use by teacher-coordinators and students in Grade 11 and 12 home economics cooperative education programs. Based on job analysis interviews with home furnishings personnel, this course was prepared by teachers and Instructional Materials Center staff, field-tested, and revised prior to publication. Intended for teacher use in course planning or for independent study by students, the course outline relates tasks to general objectives and competencies needed to perform effectively on the job. Contents consist of four main sections: Instructional Materials for Students, Answer Sheets for Instructional Materials Study Questions, Unit Tests, and Answer Keys for Unit Tests. Unit topics cover: (1) What is a Home Furnishings Aide? (2) Business Aspects, (3) Interior Design Studios and Department Stores, (4) The Client's Home, (5) Basic Drapery Construction, (6) Construction of Miscellaneous Decorative Furnishings, (7) The Upholstery Workroom, and (8) Care and Maintenance. Units provide tasks, objectives, questions and references, and many are illustrated with line drawings and diagrams. A bibliography is also included. (AW)

VT 009 970  
Michigan Bibliography of Resource Materials for Training in Home Economics Related Occupations.

Michigan State Dept. of Education, Lansing

PUB DATE - 68 59p.

\*BIBLIOGRAPHIES; \*INSTRUCTIONAL MATERIALS; \*OCCUPATIONAL HOME ECONOMICS; CHILD CARE OCCUPATIONS; TEXTILES INSTRUCTION; CLOTHING INSTRUCTION; FOOD SERVICE OCCUPATIONS; HEALTH OCCUPATIONS; HOME FURNISHINGS

This bibliography is a listing of resource materials for use in training students for home economics related occupations. Materials are listed alphabetically by author or title within eight divisions, entitled: (1) General References for Occupational Teaching, (2) Child Care, Elderly and Health Services, (3) Clothing, Textiles and Related Services, (4) Domestic Services, Dry Cleaning and Laundry Services, (5) Food Services and Nutrition, (6) Housing, Equipment, Furnishing and Related Art, (7) Special Needs, and (8) Films, Filmstrips, Periodicals, Pamphlets and Publications. Brief annotations accompany some of the films. Entries range in date from 1946 to 1967 and availability sources are provided for all. (AW)

VT 010 050  
Reading Script, Study Guide, and Printed Originals for Young Underfashions. A Comprehensive Teaching Unit.

**Sears, Roebuck and Co., Skokie, Ill. Consumer Information Service**

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUE DATE - 68 36p.

\*RESOURCE MATERIALS; TEACHING GUIDES; \*HOMEMAKING EDUCATION; \*CLOTHING INSTRUCTION;  
\*TRANSPARENCIES; CONSUMER EDUCATION

Developed by Sears Consumer Information Services, this teaching resource on selection, wear, and care of underfashions for adolescent girls is designed to help the teacher make the most effective use of the filmstrip, "The New You," and booklets for student study, all included in the kit on young underfashions. The resource presents: (1) suggested concepts and generalizations, (2) learning experiences, including pretests, discussion questions, individual assignments, group projects, and bulletin boards, (3) a listing of supplementary materials and sources of information, (4) printed originals to use for preparing overhead transparencies, and (5) printed script and frames from the filmstrip on underfashions. (SB)

**VI\_010\_051**

Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script. A Comprehensive Teaching Unit.

**Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services**

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUE DATE - 69 42p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; RESOURCE MATERIALS; HOME MANAGEMENT; INTERIOR DESIGN; SPACE UTILIZATION; \*TRANSPARENCIES; CONSUMER EDUCATION; \*UNITS OF STUDY (SUBJECT FIELDS)  
\*KITCHEN PLANNING

Developed by Sears Consumer Information Services to supply materials for teaching kitchen planning and management, this teacher's guide is to be used with materials from the teaching unit "Your Space Age Kitchen." The guide contains: (1) concepts and generalizations, (2) suggested learning experiences, including discussion questions and individual and group projects, (3) a list of resource materials and sources of information, (4) printed originals, and (5) reading script accompanied by frames from the filmstrip "Your Space Age Kitchen," which is available from the address listed above. (SB)

**VI\_010\_052**

Silhouettes of Fashion.

**Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services**

Consumer Information Services, Sears, Roebuck, and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUE DATE - 69 23p.

\*RESOURCE MATERIALS; HOME ECONOMICS EDUCATION; DISTRIBUTIVE EDUCATION; \*CLOTHING;  
\*CONSUMER EDUCATION; CLOTHING DESIGN; \*CLOTHING INSTRUCTION; AUDIOVISUAL AIDS;  
INSTRUCTIONAL MATERIALS  
\*FASHION

Prepared by the Consumer Information Services of Sears, Roebuck and Co., this booklet is intended to aid teachers in presenting a comprehensive unit on fashion and its relationship to world events, both past and present. Selected fashion silhouettes from Sears catalogs covering seven decades (1896-1969) are presented, each accompanied by a brief commentary on that time period, largely concerned with the fashions of the era and how they reflect the changing role of women over the years. The booklet also includes a study guide providing basic concepts and related generalizations to be stressed, suggested activities and discussion topics, and a bibliography. The illustrations are suitable for reproduction as overhead projections for classroom instructional use. (AW)

**VI\_010\_053**

Campbell, Sally R.

A Guide to the Catalog and Other Community Resources for Consumer Education Classes, A

Department Store in the Classroom. Educator Resource Series.

Sears, Roebuck and Co., Skokie, Ill.

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUB DATE - 69 43p.

\*CONSUMER EDUCATION; \*RESOURCE MATERIALS; \*HOMEMAKING EDUCATION; \*PURCHASING; TEACHING TECHNIQUES

This pamphlet has been developed by Sears Consumer Information Services as a resource for teachers of consumer education courses. The guide contains: (1) objectives for using catalogs in consumer education classes, (2) concepts, generalizations and related learning experiences based on the catalog, (3) teaching techniques based on the use of catalogs, (4) community resources available to consumer education instructors, (5) guidelines for use of newspapers and magazines in consumer education classes, (6) criteria for judging educational value of outside materials, and (7) listing of additional sources of teaching aids related to consumer education. (SB)

#### VI.Q10.Q64

Fashions in Dining; Study Guide, Printed Originals and Reading Script. A Comprehensive Teaching Unit.

Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUB DATE - 69 40p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*RESOURCE MATERIALS; \*CONSUMER EDUCATION; FOODS INSTRUCTION; TRANSPARENCIES; SECONDARY GRADES  
TABLEWARE SELECTION; \*TABLESETTING

This teacher's guide is to be used with materials from the teaching unit "Fashions in Dining," which was developed by Sears Consumer Information Services to aid teachers in presenting information on table setting and the purchase of tableware. The guide presents: (1) suggested concepts and generalizations, (2) learning experiences, including pretests, discussion questions, and individual and group projects, (3) a listing of supplementary materials and sources of information, (4) printed originals for making transparencies, (5) instructor's key for the printed originals with suggested student activities, and (6) a reading script accompanied by frames from the filmstrip "Fashions in Dining," which is available from the address listed above. (SB)

#### VI.Q10.124

Consumer Information Learning Aids. Hidden Value Series.

Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$2.50).  
PUB DATE - ND 162p.

\*STUDY GUIDES; \*HOMEMAKING EDUCATION; HOME FURNISHINGS; CLOTHING; CONSUMER EDUCATION

This series of reference pamphlets developed by Sears Consumer Information Services includes: (1) Your Space Age Kitchen, (2) How to Select Major Home Appliances, (3) How to Select Paint and Wallcovering for Your Home, (4) How to Select Furniture, (5) How to Select Window Treatments, (6) Let's Decorate the Bathroom, (7) How to Select Floor Covering, (8) Fashions in Dining, (9) How to Select Young Underfashions, and (10) Selecting Fashions. Each pamphlet is illustrated either with photographs, line drawings or both. (SB)

#### VI.Q10.126

Color in Home Furnishings; Study Guide and Printed Originals.

Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$2.50).  
PUB DATE - 68 33p.

\*HOMEMAKING EDUCATION; \*STUDY GUIDES; \*HOME FURNISHINGS; \*COLOR; \*COLOR PLANNING; TRANSPARENCIES

This three-part study guide was developed by Sears Consumer Information Services. "An Introduction to Color," (Part One) provides information and illustrations of basic color facts, different color schemes, optical illusions with colors, color symbolism, and suggestions for using color. "Printed Originals for Color in Home Furnishings from Sears," (Part Two) consists of 10 transparencies illustrating basic color concepts and combinations, with instructions for their use. "Study Guide for Color in Home Furnishings from Sears," (Part Three) presents color concepts and generalizations, learning experiences, and sources of information. The pamphlet is illustrated with color photographs and line drawings. (SB)

VI\_Q10\_127

On Your Way...To Brighter Wash Days; Your Complete Guide to New Fibers and Fabrics, New Laundry Methods, Laundry Area Planning.

Sears, Roebuck and Co., Skokie, Ill. Consumer Information Services

Consumer Information Services, Sears, Roebuck and Company, Department 703 Public Relations, 7401 Skokie Boulevard, Skokie, Illinois 60076 (\$1.00).  
PUE DATE - ND 84p.

\*RESOURCE MATERIALS; \*HOMEMAKING EDUCATION; \*CONSUMER EDUCATION; CLOTHING; \*TEXTILES; HOME MANAGEMENT; HOME FURNISHINGS; ILLUSTRATIONS  
LAUNDRY PLANNING; \*CLOTHING CARE; LAUNDRY EQUIPMENT

This pamphlet, developed by Sears Consumer Information Services, advises the consumer on the care of washable clothing in present laundry facilities while introducing new ideas for laundry equipment and space. Sections are: (1) Get a Good Start, discussing fibers, fabrics, finishes, laundry supplies, stain treatment, and preparation of wash loads, (2) Ways to Wash, (3) Ways to Dry and Iron, (4) Laundry Area Planning, and (5) Appliance Buying Guide. Charts and illustrations augment each section. (SB)

VI\_Q10\_244

Follow These Suggestions for Better Bulletin Boards.

New Mexico State Board for Vocational Education, University Park. Div. of Home Economics

PUE DATE - Nov65 36p.

\*INSTRUCTIONAL AIDS; \*AUDIOVISUAL AIDS; \*HOME ECONOMICS EDUCATION; \*BULLETIN BOARDS

Intended for use by home economics teachers in planning and arranging bulletin boards, the handbook includes a rating scale for evaluating bulletin boards, suggestions for bulletin board titles, and examples of bulletin board ideas in such homemaking areas as sewing, cooking, personality development and personal relationships. Instructions are also given for making flannel boards. (AW)

VI\_Q10\_289

A Date with Your Future; Money Management for the Young Adult, For Home and Family Living Classes.

Health Insurance Inst., New York, N.Y. Education Div.

Institute of Life Insurance, 277 Park Avenue, New York, New York 10017.  
PUE DATE - 69 32p.

\*HOMEMAKING EDUCATION; \*STUDY GUIDES; \*FAMILY LIFE EDUCATION; FAMILY MANAGEMENT; \*MONEY MANAGEMENT

This reference material has been developed for student use in home and family living classes. Chapters are: (1) Shaping Your Future, (2) Skills for Your Future, (3) The Job in Your Future, (4) The Wedding in Your Future, and (5) The Family in Your Future. Worksheets containing suggested class activities and student problems conclude each chapter. (SP)

VI\_Q10\_364

ED C37 560

Consumer Education Bibliography.

Yonkers Public Library, N.Y.  
President's Committee on Consumer Interests, Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(PR36.8:C76/E47, \$.65).  
PUB DATE - 69 178p.

\*CONSUMER EDUCATION; \*ANNOTATED BIBLIOGRAPHIES; CONSUMER ECONOMICS; RESEARCH; MONEY  
MANAGEMENT; CREDIT (FINANCE); AUDIO-VISUAL AIDS; INSTRUCTIONAL MATERIALS

This annotated bibliography is a listing of more than 2,000 books, booklets, pamphlets, films, filmstrips, and other materials in the field of consumer interests and education. It is intended for use by educators, librarians, executives and other personnel in business and industry, researchers, writers, and housewives. Major categories are: (1) Consumer Classics, (2) Role of the Consumer--Impact of Consumers on the Economy and Influences of the Marketplace on Consumption, (3) Consumer Behavior--Factors That Motivate and Stimulate Consumers, (4) Agencies and Organizations--Services to Consumers, (5) Money Management--Aids to Personal and Family Financial Planning, (6) Consumer Goods and Services--Purchases and Use, (7) Credit--Principles for Use, Sources, and Costs, (8) Debtor Problems--Garnishment and Bankruptcy, (9) Taxation--Effects on Consumer and Consumption, (10) Legal Rights and Responsibilities, (11) Issues and Perspectives, (12) Frauds, Quackery, and Deception, and (13) Consumer Education--Methods and Materials. (JK)

VI 010 404

Pattern Alteration: A Guide for Leaders in Clothing Programs. Home Economics Research Report No. 32.

Agricultural Research Service (DOA), Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(A1.87:32/2, \$.40).  
PUB DATE - Aug 67 40p.

\*HOMEMAKING EDUCATION; \*RESOURCE MATERIALS; \*CLOTHING INSTRUCTION; \*UNITS OF STUDY  
(SUBJECT FIELDS); ILLUSTRATIONS  
\*PATTERN ALTERATION

This resource pamphlet, prepared by the Agricultural Research Service, contains information on adjusting patterns to take care of figure irregularities. The following information is included: (1) buying the right size pattern, (2) measurements needed for checking pattern and comparison of pattern measurements to the individual's measurements, (3) instructions for altering patterns, (4) alterations for individual fitting problems, and (5) alterations in slacks. The pamphlet is illustrated with photographs, drawings, and a suggested measurement chart. (SB)

VI 010 442

Home Economics Occupational Education. Child Care Services Training Guide.

New York State Education Dept., Albany. Bureau of Secondary Curriculum Development

Publications Distribution Unit, State Education Department, Albany, New York 12224  
(\$.75).  
PUB DATE - 69 106p.

\*OCCUPATIONAL HOME ECONOMICS; \*PROGRAM GUIDES; \*CHILD CARE OCCUPATIONS; CHILD CARE  
WORKERS; SCHOOL AIDES; \*CHILD CARE; CHILD DEVELOPMENT; HANDICAPPED CHILDREN;  
SALESMANSHIP; GRADE 11; GRADE 12; ADULT VOCATIONAL EDUCATION; JOB SKILLS

Developed by the Bureau of Secondary Curriculum Development of the New York State Department of Education, this training guide has been prepared to assist school administrators and other local personnel in developing occupational programs in: the sale of infants' and children's merchandise, and care and guidance of infants and toddlers, children, ages 3 to 6, children, ages 6-12, and handicapped children. Section One provides procedures for implementing the program, including establishing the advisory committee, identifying and describing occupations for training, selecting staff and trainees, and providing children, training, and facilities. Section Two gives a brief description of the curriculum organization and guidelines for adapting it to local and area situations. Section Three outlines the 2-year course of study in two parts: Part One (120 course hours) is an orientation to work, and Part Two (780 course hours) describes job skills and provides suggested learning experiences to develop the job skills for five child care service occupations. A list of teacher resources and coded child care services occupations are included. (SB)



VI\_Q10-566

A Plan of Action for Adult Education: Family Life and Parent Education, Home Economic Related Occupations, Homemakers Role in the Community.

Oklahoma State Board of Vocational and Technical Education, Stillwater. Div. of Home Economics Education

PUB DATE - 69 82p.

\*HOME ECONOMICS EDUCATION; CURRICULUM PLANNING; \*STATE CURRICULUM GUIDES; \*ADULT VOCATIONAL EDUCATION; LESSON PLANS; PROGRAM PLANNING; \*TEACHING GUIDES

This 3-part curriculum guide was developed for use in adult vocational and technical training programs by the Oklahoma Division of Home Economics Education. Part I, Organizing and Adult Action Program, gives guidelines for program development. Part II, Why Not Try These, provides suggestions for planning a 3-year adult program, working with adults and low income families, and meeting gainful employment needs of adults. Examples of check lists designed to gain information about the community and about the interests of adults, and a sample course evaluation are included. Part III, These Have Worked, contains examples of adult courses that have been developed. Included are a community planned adult class, a 2-year adult education program, an adult class in family finance, and an adult class in self-improvement. (SP)

VI\_Q10-568

Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.

Oklahoma State Dept. of Vocational-Technical Education, Stillwater. Div. of Home Economics

PUB DATE - ND 178p.

\*OCCUPATIONAL HOME ECONOMICS; \*COOKS; \*HOSPITALS; \*NURSING HOMES; \*CURRICULUM GUIDES; TEACHING GUIDES

Prepared for use in classes for cooks in health care centers and sponsored by the Oklahoma Department of Education with the cooperation of the State Nursing Home Association, Dietetic Association, and Department of Public Health, this instructor's manual is intended to provide an outline and suggestions for course implementation. Lessons deal with: (1) menu planning, (2) modified diets, (3) food preparation, (4) protein cookery, (5) yeast and quick breads, cakes, beverages, cereals, and convenience foods, (6) salad and vegetable preparation, (7) sanitation, maintenance, and safety, (8) food service and its importance, (9) food acceptance and emotions, (10) food purchasing, receiving, and storage, and (11) food cost control and efficiency in the food service department. Outlines include suggested content and teaching methods and tools. Objective tests and sample forms are also presented. (JK)

VI\_Q10-569

Consumer Education: The Management of Personal and Family Financial Resources.

Oklahoma State Board of Vocational and Technical Education, Stillwater. Div. of Home Economics Education

PUB DATE - 69 227p.

\*HOME ECONOMICS EDUCATION; \*CONSUMER EDUCATION; \*CURRICULUM GUIDES; MONEY MANAGEMENT; FAMILY INCOME; CONSUMER ECONOMICS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; RESOURCE MATERIALS; BEHAVIORAL OBJECTIVES

Developed by the Oklahoma Division of Home Economics Education, this guide is for teacher use in planning a consumer education program at three levels (Grades 9-10, 10-11, and 11-12 and young adult) for students in vocational home economics. Emphases include: earning and managing family and personal income at the beginning level, functions and uses of money in our economy at the intermediate level, and achieving financial security at the advanced level. The program may be integrated with the subject matter areas of food and nutrition, clothing and textiles, housing and home management, human development and the family, and with home economics related occupations related occupations curriculums. Behavioral objectives, concepts and generalizations, learning experiences, and evaluation suggestions are presented to aid planning. Subject matter content at each experience level and in an integrated program are provided in a scope and sequence chart and an objectives list. References for teacher and student use as well as audiovisual aids are appended. (SR)

VT\_010\_575

Frontiers and Fundamentals; A Short Course in Appliance Homemaking.

Association of Home Appliance Manufacturers, Chicago, Ill.

Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, Illinois 60606 (\$1.00).

PUB DATE - 68 118p.; A Report on the 1966 National Home Appliance Conference (Denver, Colo., Oct. 24-26).

\*HOME ECONOMICS EDUCATION; \*ELECTRICAL APPLIANCES; \*CONSUMER EDUCATION; \*CONFERENCE REPORTS; CHARTS; ILLUSTRATIONS; APPLIANCE REPAIRING; \*ELECTRICAL APPLIANCES ASSOCIATION OF HOME APPLIANCE MANUFACTURERS; AHAM; \*NATIONAL HOME APPLIANCE CONFERENCE, DENVER, COLORADO, OCTOBER, 1966

Conference participants were given a "short course" in appliance homemaking including information on good cooking practices, kitchen planning, use of laundry aids, care of textiles, appliance servicing, and consumer education. The program also looked at innovations expected in the future in the above areas. The proceedings, covering the curriculum of the course, are divided into four sections. Part I contains information on refrigerators, stoves, electronic cooking, dishwashers, and disposers. The second section deals with new fabrics, washing machines, enzymes, and irons and part three provides data on vacuum cleaners, air conditioners, hair dryers, electric toothbrushes, and other small appliances. The last section concerns consumer education. A list of the 55 regular members of the American Home Appliance Manufacturers is appended. (BC)

VT\_010\_665

Lemmon, Louise

An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.

Future Homemakers of America, Washington, D.C.

Future Homemakers of America, U.S. Office of Education, Washington, D.C. 20202 (\$.35).  
PUB DATE - 67 36p.

\*HOMEMAKING EDUCATION; MANUALS; \*EVALUATION; EVALUATION METHODS; \*INDIVIDUAL DEVELOPMENT; STUDENT EVALUATION; \*SELF EVALUATION; \*STUDENT ORGANIZATIONS  
\*FUTURE HOMEMAKERS OF AMERICA

This guide was developed by an associate professor of home economics in collaboration with the national headquarters staff of Future Homemakers of America (FHA) as an aid for advisors in helping FHA members assess chapter and individual experiences. Sections are: (1) The Why and How of Evaluation, (2) Motivation and the Evaluation Process, (3) Application of Evaluation Principles, and (4) Evaluation of Individual Growth. Examples of evaluation methods are included as well as a bibliography of related materials. (SB)

VT\_010\_666

Senior Home Economics: A Guide for Teachers. Home Economics Series No. 2.

Missouri State Dept. of Education, Jefferson City

PUB DATE - ND 55p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; GRADE 12; CURRICULUM PLANNING; \*ROLE PERCEPTION; PARENT EDUCATION; HUMAN RELATIONS; CHILD DEVELOPMENT; FOODS INSTRUCTION; CLOTHING INSTRUCTION; NUTRITION INSTRUCTION; TEXTILES INSTRUCTION; HOME MANAGEMENT; HOUSING; INTERIOR DESIGN; FAMILY HEALTH

The materials in this teaching guide, developed by a state home economics curriculum committee, are designed for senior girls planning for marriage, college or a career, and who have had little or no home economics education previously. Anticipated competencies, generalizations, and suggested activities are provided for these major concepts: (1) Roles of Women, (2) Use of Leisure, (3) Human Relationships, (4) Parenthood, (5) Child Development, (6) Clothing, (7) Food and Nutrition, (8) Management, (9) Housing and Interiors, and (10) Family Health. A list of resources is included. (SP)

VT\_010\_667

Home Nursing and Family Health: A Guide for Teachers. Home Economics Series No. 4.



Missouri State Dept. of Education, Jefferson City

PUE DATE - 67 24p.

\*HOME ECONOMICS EDUCATION; \*TEACHING GUIDES; \*NURSING; CAREER OPPORTUNITIES; COMMUNITY HEALTH SERVICES; \*FAMILY HEALTH; HEALTH INSURANCE; ACCIDENT PREVENTION; FIRST AID

This teaching guide, developed by a state home economics curriculum committee, is for teaching home nursing and family health. Anticipated competencies, generalizations, and suggested activities are provided for four major concepts: (1) Development of the Nursing Profession, (2) Community Health Services and Agencies, (3) Maintenance of Family Health, and (4) Nursing Procedures. A list of resources is included. (SB)

VT 010 668

Basic Home Economics: A Guide for Teachers. Home Economics Series No. 1.

Missouri State Dept. of Education, Jefferson City

PUE DATE - ND 50p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; HUMAN DEVELOPMENT; CLOTHING INSTRUCTION; FOODS INSTRUCTION; NUTRITION INSTRUCTION; HOME FURNISHINGS; SECONDARY GRADES; CURRICULUM PLANNING

Developed by a state home economics curriculum committee, this teacher's guide is for planning a 1-year basic program to be a required prerequisite for later semester courses in clothing and textiles, foods and nutrition, and Home Economics II. The guide, designed for the seventh, eighth, ninth or 10th grade, includes anticipated competencies, generalizations, suggested learning activities, and suggested time allotment for these major concepts: (1) Human Development, (2) Clothing and Textiles, (3) Foods and Nutrition, and (4) Housing and Interiors. Resource materials for each concept are included. (SB)

VT 010 669

Food Service: A Guide for Teachers. Occupational Home Economics Series No. 2.

Missouri State Dept. of Education, Jefferson City

PUE DATE - ND 68p.

\*OCCUPATIONAL HOME ECONOMICS; \*TEACHING GUIDES; FOOD SERVICE INDUSTRY; \*FOOD SERVICE OCCUPATIONS; JOB SKILLS; JOB TRAINING; ACCIDENT PREVENTION; FOODS INSTRUCTION; NUTRITION INSTRUCTION; CAREER OPPORTUNITIES; CURRICULUM PLANNING; SECONDARY GRADES

Developed by a state home economics curriculum committee, this teaching guide is to be used in planning a 1- or 2-year training program in food service. Anticipated competencies, content, and suggested activities are provided for these major concepts: (1) Overview of the Food Service Industry and Related Services, (2) Characteristics of Employees in the Food Industry and Related Services, (3) Aspects of Job Performance, (4) Commonalities of Food Service Jobs, and (5) Basics of Food Service. Job Analyses, examples of student information and evaluation forms, and references are included. (SB)

VT 010 670

Housing and Interior Design: A Guide for Teachers. Home Economics Series No. 3.

Missouri State Dept. of Education, Jefferson City

PUE DATE - ND 40p.

\*HOMEMAKING EDUCATION; \*TEACHING GUIDES; \*HOME FURNISHINGS; \*HOUSING; INTERIOR DESIGN; HOUSING NEEDS; CURRICULUM PLANNING; SECONDARY GRADES

This teaching guide, developed by a state home economics curriculum committee, is for use in planning a course in housing and interior design. Anticipated competencies, generalizations, and suggested learning activities are provided for these major concepts: (1) Individual and Family Housing Needs, (2) Housing Influences, (3) Design, (4) Securing Housing, and (5) Impact of Change. A resource list of films, filmstrips, pamphlets, commercial aids, magazines, and books is included. (SB)

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INDUSTRIAL ARTS  
EDUCATION  
SECTION

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**VI\_001-558**

Industrial Arts Curriculum Planning Guide, Grades 7-12.

Idaho State Dept. of Education, Boise. Div. of Instruction

PUB DATE - 6Dec63 133r.

\*INDUSTRIAL ARTS; CURRICULUM GUIDES; \*SECONDARY EDUCATION; \*PROGRAM DESCRIPTIONS; EDUCATIONAL PHILOSOPHY; EDUCATIONAL OBJECTIVES; \*STATE CURRICULUM GUIDES; COURSE DESCRIPTIONS; COURSE OBJECTIVES; COURSE ORGANIZATION; INSTRUCTIONAL MATERIALS

Developed by an industrial arts committee at the state level, this state curriculum guide is for teacher use in planning and implementing courses for students in all areas of industrial arts from grades 7-12. The program is pyramided, beginning with a general course at the junior high level offered 55 minutes per day, 5 days a week, and progressing to a high degree of specialization for grades 11-12, structured so that a student may take one or more courses for 2 successive years. Course description, course objectives, instructional activities, and instructional units are given for the 22 courses, with major emphasis on drawing, woodwork, electricity, and metals, but provision also for the newer craft areas such as plastics, leather, art metal, mosaics, and ceramics. A final section on curriculum implementation offers suggestions to the instructor concerning student projects, project planning, resource material, and shop safety. (GR)

**VI\_007-384**

Heddes, Charles S.; Womack, P.C.

Fluid Power in Plant and Field. Volume 1.

Womack Machine Supply Co., Dallas, Tex.

Womack Machine Supply Company, P.O. Box 35027, Dallas, Texas 75235 (\$5.85).

PUB DATE - 6E 174r.

\*SUPPLEMENTARY TEXTBOOKS; \*TRACE AND INDUSTRIAL EDUCATION; \*FLUID POWER EDUCATION; \*FLUID POWER; EQUIPMENT MAINTENANCE; EQUIPMENT UTILIZATION; \*KINETICS; SECONDARY EDUCATION; ADULT VOCATIONAL EDUCATION

This supplementary text is for student or teacher use in industrial or vocational classes. It contains tips, suggestions, and ideas for improving fluid power equipment performance, preventing pressure failures, and correcting malfunctions or breakdowns. Chapter headings are: (1) Air and Hydraulic Cylinders, (2) Air and Hydraulic Valves, (3) Hydraulic Pumps and Motors, (4) Hydraulic Oil Reservoirs, (5) Accumulators, (6) Heat Exchangers for Oil Cooling, (7) Air Line Filters, Regulators, and Lubricators, (8) Dryers for Compressed Air, and (9) Vacuum Pumps, Valves, and Cylinders. Numerous line drawings are provided in each chapter and nine charts and tables provide reference data. Volume 2 is in progress. Related documents are VI 007 439-VI 007 441 (both in this issue). (EM)

**VI\_007-439**

Heddes, Charles S.

Industrial Fluid Power. Volume 1.

Womack Machine Supply Co., Dallas, Tex.

Womack Machine Supply Company, P.O. Box 35027, Dallas, Texas 75235 (\$5.95).

PUB DATE - 6E 184r.

\*TEXTBOOKS; \*INDUSTRIAL EDUCATION; \*FLUID POWER; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

This text, written by an engineer and a technical staff, is first in a series of three for student and teacher use in industrial arts, vocational, or adult courses treating fluid power. Principles of fluid power transmission and the common components such as pumps, valves, and cylinders are treated. Chapters, each illustrated with numerous line drawings, are: (1) Fundamentals of Fluid Power, (2) Cylinders, (3) 2 and 3-Way Valves, (4) 4 and 5-Way Valves, (5) Pumps, and (6) Accessories. Supplementary materials include a glossary, 120 review questions and answers, and USA Standards Institute symbols. A set of color slides based on the text's illustrations is available from the publisher. Volume 2 and 3 of this series are available as VI 007 440 and VI 007 441, respectively, and a related document, "Fluid Power in Plant and Field, Volume 1," is available as VI 007 384, all in this issue. (EP)

**VT 007-440**

Hedges, Charles S.  
Industrial Fluid Power. Volume 2.

Womack Machine Supply Co., Dallas, Tex.

Womack Machine Supply Company, P.O. Box 35027, Dallas, Texas 75235 (\$5.25).  
PUB DATE - 66 144p.

\*TEXTBOOKS; \*INDUSTRIAL EDUCATION; \*FLUID POWER; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

This text, written by an engineer and a technical staff, is the second in a series of three for student and teacher use in industrial arts, vocational or adult courses treating fluid power. The use and control of air and hydraulic cylinders are covered in these chapters: (1) Application Ideas for Cylinders, (2) Basic Air Circuits, (3) Basic Hydraulic Circuits, and (4) Combination Air/Oil Circuits. Each chapter has numerous line drawings, and a set of color slides based on those illustrations is available. Supplementary materials include tables of cylinder speed and force and USA Standards Institute symbols. Volume 1 and 3 of this series are available as VT 007 439 and VT 007 441, respectively, and a related document, "Fluid Power in Plant and Field, Volume 1," is available as VT 007 384, all in this issue. (EM)

**VT 007-441**

Hedges, Charles S.  
Industrial Fluid Power. Volume 3.

Womack Machine Supply Co., Dallas, Tex.

Womack Machine Supply Company, P.O. Box 35027, Dallas, Texas 75235 (\$5.90).  
PUB DATE - 68 170p.

\*TEXTBOOKS; \*INDUSTRIAL EDUCATION; \*FLUID POWER; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

This text, written by an engineer and a technical staff, is the last in a series of three for student and teacher use in industrial arts, vocational, or adult courses treating fluid power. Chapters, illustrated with numerous line drawings and containing review questions, are: (1) Introduction to Fluid Motors, (2) Review of Thrust, Torque, and Power, (3) Selection of Hydraulic Motors, (4) Electric and Hydraulic Motors Compared, (5) Directional Control of Hydraulic Motors, (6) Speed Control of Hydraulic Motors, (7) Closed Loop Hydraulic Systems, (8) Installation of Hydraulic Motors, (9) Air Motors, (10) Rotary Actuators, and (11) Pressure Intensifiers. Supplementary materials include conversion tables for units of measure, pipe capacity, and USA Standards Institute symbols. Volume 1 and 2 of this series are available as VT 007 439, and VT 007 440, respectively, and a related document, "Fluid Power in Plant and Field, Volume 1," is available as VT 007 384, all in this issue. A teacher's manual now being prepared for this text may be obtained from the above address for \$1.50. (EM)

**VT 007-854**

Industrial Arts Graphic Communications 10, 20, 30.

Edmonton Dept. of Education (Alberta)

Government of the Province of Alberta, Department of Education, Room 712, Stationary and Supplies, Administration Building, Edmonton, Alberta.  
PUB DATE - Sep 68 44p.

\*CURRICULUM GUIDES; \*INDUSTRIAL ARTS; \*GRAPHIC ARTS; DRAFTING; PHOTOGRAPHY; PRINTING; COMMUNICATIONS

Developed by a committee of teachers, supervisors, and teacher educators for teacher use in three multiple activity programs in graphics, this curriculum guide is designed for grades 10, 11 and 12, covering 8,000 minutes per course or a total of 24,000 minutes for all three courses. The contents include: (1) General Introduction, (2) Introduction to Graphic Communications, Course Organization, and Objectives, (3) Graphic Communications 10, including one unit each of drafting and photography and two units of printing and reproducing processes, (4) Graphic Communications 20, including one unit each of drafting and photography, and two units of printing and processing, and (5) Graphic Communications 30, including one unit each in drafting, photography, printing and reproducing processes, and bindery. References are included for each

course. (GR)

YI\_008\_796

Organization and Administration Forms for Industrial Arts.

Instructional Materials Service, Kennedy, Minn.

Instructional Materials Service, P.O. Box 244, Kennedy, Minnesota 56733.

PUB DATE - ND 34p.

\*INDUSTRIAL ARTS; \*RECORDS (FORMS); \*SECONDARY SCHOOLS; \*PROGRAM ADMINISTRATION; ORGANIZATION

This series of organization and administration forms are designed for use in junior and senior high school industrial arts programs, and in courses in organization and administration of industrial arts at the teacher education level. Samples of 25 different forms are shown, and an order form and price list are included. (GR)

YI\_009\_658

Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.

Florida State Dept. of Education, Tallahassee. Technical and Health Occupations Education Section

PUB DATE - Jan68 21p.

\*DRAFTING; \*PROGRAM CONTENT; PROGRAM DESCRIPTIONS; \*PROGRAM EVALUATION; PROGRAM PLANNING; \*PROGRAM GUIDES; VOCATIONAL EDUCATION

To communicate to school officials, program and facility planners, and instructors in technical education, the essential concepts and requirements for an effective program of drafting and design technology, this guide outlines a program designed to meet the technician entry level requirements of industry. Included are: (1) Overview, (2) Purpose, (3) Objectives, (4) General Requirements, (5) Admission Requirements, (6) Program Operation, (7) Length of Program, (8) Curriculum, (9) Physical Facilities and Equipment, (10) Classroom Educational Specifications, (11) Materials Testing Equipment, (12) Future Trends, (13) Faculty Qualifications, (14) General Criteria for Program Establishment, and (15) Occupational Employment Cluster. A bibliography is appended. (GR)

YI\_009\_704

Roye, Charles W.  
Arts and Crafts for 7 to 6.

Leflore County School District, Greenwood, Miss.

Leflore County Schools, Highway 82 West, Greenwood, Mississippi 38930 (\$2.00).

PUB DATE - 69 33p.

\*CURRICULUM GUIDES; \*INDUSTRIAL ARTS; \*VOCATIONAL EDUCATION; \*CURRICULUM PLANNING; ELEMENTARY GRADES  
\*ARTS AND CRAFTS

Individually developed and pilot tested with approximately 400 students, this curriculum guide is for teacher use in planning prevocational courses in arts and crafts for grades K-6. Content includes: (1) statement of philosophy, (2) purposes, (3) objectives of the program, (4) information on the teaching staff and consultants, (5) necessary facilities and tools, (6) suggestions for in-service teaching training, (7) reference list, and (8) the proposed curriculum. The curriculum section provides a basic outline of possible projects and activities that might be used in each grade level from K to 6 for the subject areas of: (1) health and safety, (2) communicative arts, (3) mathematics, (4) science, (5) music and the arts, and (6) citizenship and social studies. The material should be used selectively and adapted to local needs by the individual classroom teacher. (AR)

YI\_009\_766

Metallworking: Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.

Dallas Independent School District, Tex.

Dallas Independent School District, 3700 Ross Avenue, Dallas, Texas 75204 (\$2.73).  
 PUB DATE - 67 110p.

\*CURRICULUM GUIDES; \*INDUSTRIAL EDUCATION; \*METAL WORKING OCCUPATIONS; SECONDARY GRADES; \*METALS

This curriculum guide was developed by teachers of metalworking in conjunction with the Department of Vocational-Industrial Education of the Dallas Independent School District, Dallas, Texas, for use by local industrial arts teachers, supervisors, and counselors in planning and implementing courses in metalworking for grades 7-12. Contents include six units: two on exploratory metalworking for grades 7 and 8, and four on metalworking to be taught at the senior high school level. Units provide introductory information, scope, expected outcomes, hours per unit, project ideas, bibliographies, and outlines listing skills and knowledge to be developed and teaching suggestions. Numerous photographs illustrate the guide. The material presented should be used flexibly and adapted by individual teachers to fit particular learning situations. (AW)

VI-009-779  
 Industrial Testing; Industrial Arts Teaching Guide.

Cumberland County Industrial Arts Teachers Association, Pa.  
 Pennsylvania State Dept. of Public Instruction, Harrisburg. Bureau of General and Academic Education

Pennsylvania State Department of Public Instruction, Box 911, Harrisburg, Pennsylvania 17126.  
 PUB DATE - 67 25p.

\*INDUSTRIAL ARTS; \*INSTRUCTIONAL MATERIALS; \*TEACHING GUIDES; TEACHING TECHNIQUES  
 \*INDUSTRIAL TESTING

This teaching guide, prepared by a county organization of industrial arts teachers is for use in upgrading industrial arts offerings in materials testing and contains the following outlined material: (1) organizing the initial investigation, including topics and activities relating to properties of materials, processes, selecting material or process for investigation, forming teams for investigation, and collecting information about material or process, (2) reporting to class, (3) testing methods and equipment, (4) establishing procedures of inquiry, and (5) presenting oral reports. Reference lists are included. (GH)

VI-009-899  
 A Tentative Guide for Implementing Industrial Arts Education. Curriculum Guide 1.

Tulsa Public Schools, Okla. Dept. of Industrial Arts and Vocational-Technical Education  
 Tulsa Public Schools, P.O. Box 45208, Tulsa, Oklahoma 74145 (\$3.00).  
 PUB DATE - 69 120p.

\*CURRICULUM GUIDES; \*INDUSTRIAL EDUCATION; SECONDARY EDUCATION; \*ADMINISTRATOR GUIDES; TEACHER RESPONSIBILITY; INDUSTRIAL ARTS TEACHERS; BIBLIOGRAPHIES; RECORDS (FORMS)

One of a series developed by a committee of teachers, this revised curriculum guide is for teachers, administrators and counselors to use when implementing an industrial arts education program at the junior and senior high school level. Major topics are: (1) Guide for Instructors of Industrial Arts Education, (2) The Industrial Arts Curriculum, (3) Industrial Arts Education Curriculum Offerings, (4) Implementing Instruction in Industrial Arts Education, (5) Opening and Closing Procedures for the Instructors in Industrial Arts Education, (6) Suggestions for Instructors, (7) The Instructor in Industrial Arts Education, (8) Supplemental Materials for Industrial Arts Education, (9) Safety Instruction in Industrial Arts Education, and (10) Forms Used in Industrial Arts Education. A list of defined terms and a bibliography are included. A related document, "A Tentative Guide for Implementing Vocational and Technical Education," is available as VI 009 894. (also in this issue). (GH)

VI-009-992 ED C35 733  
 Williams, William A.

An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.

National Safety Council, Chicago, Ill.  
 Office of Education (DHEW), Washington, D.C.

National Safety Council, 425 North Michigan Avenue, Chicago, Illinois 60611 (\$6.50).  
PUB DATE - ND 254P.

\*LABORATORY SAFETY; INDUSTRIAL ARTS; SCHOOL SHOPS; \*SCHOOL SAFETY; \*SAFETY EDUCATION;  
NATIONAL ORGANIZATIONS; GUIDELINES; BIBLIOGRAPHIES; \*ACCIDENT PREVENTION; LABORATORY  
MANUALS; \*RESOURCE GUIDES  
\*NATIONAL SAFETY COUNCIL

Effective and realistic planning and improvement of the educational environment can prevent accidents and injuries in school shops and laboratories. This guide makes specific recommendations for organizing and administering such a program and suggests methods and techniques for implementing the recommendations. Chapters cover organizing, administering, and implementing an accident prevention program, education and training for accident prevention, and a bibliography of books, pamphlets, booklets, periodical articles, unpublished materials, visual aids, posters and charts, and catalogs and directories. Appended are (1) State Level--Master Plan Format for Accident Prevention in School Shops and Laboratories, (2) Local Level--Master Plan Format for Accident Prevention in School Shops and Laboratories, (3) An Outline for a School Shop Safety Program, (4) Acknowledgement of Safety Instruction and Pledge, (5) Sources of Helpful National Organizations, (6) Model School Eye Safety Law, (7) Job Safety Analysis--Work Sheet, and (8) National Standard School Shop Safety Inspection List. (GR)

VI.010-276

Skuse, Herland G.

Basic Electricity, Theory and Practice.

Thomas A. Edison Vocational and Technical High School, Elizabeth, N.J.  
Rutgers, The State Univ., New Brunswick, N.J. Curriculum lab.

Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 (\$2.00).  
PUB DATE - Jul 64 225p.

\*VOCATIONAL EDUCATION; \*ELECTRICITY; \*LABORATORY MANUALS; \*TEACHING GUIDES; TEACHING  
PROCEDURES; \*LESSON PLANS

The guide provides basic theory and practice in electricity for student or teacher use. The 77 illustrated lessons, each giving objective, related information, equipment (when needed), procedure and questions, are included under the following topics: (1) Introduction (covering general occupational information and safety rules), (2) Tools, (3) Basic Skills, (4) Electrical Connections, (5) Motors, (6) Ohm's Law, (7) Batteries, (8) Bell Circuits, (9) Annunciators, (10) Relays, (11) Resistance Determination, and (12) Lead Identification. Achievement tests for each major unit are appended. (GR)



TRADE AND  
INDUSTRIAL EDUCATION  
SECTION

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**Y1-000-752**

Introduction to Vocational Trade and Industrial Teaching--Planning. Study Guide 1.

Ohio State Univ., Columbus. Instructional Materials Lab.

Ohio State Dept. of Education, Columbus. Trade and Industrial Education Service

Ohio Trade and Industrial Education Service, Instructional Materials Laboratory, The Ohio State University, 1885 Neil Avenue, Columbus, Ohio 43210 (\$1.65).

PUB DATE - 66 56p.

\*INSERVICE TEACHER EDUCATION; \*STUDY GUIDES; \*PLANNING; \*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS

Prepared to improve teaching and evaluation in trade and industrial education, this guide provides study outlines and information designed to assist the instructor in learning his job. Units cover: (1) introduction to trade and industrial teaching, (2) planning your work as an instructor, (3) the four steps in teaching, (4) teaching and working relationships, (5) planning for your teaching, (6) planning for your classes in the shop, (7) planning for your classes in the related room, and (8) working procedure checklist. The information is intended to explain the step-by-step procedures which a new teacher might find baffling. (EM)

**Y1-001-999**

Advanced Training Course for School Bus Drivers, A Manual for Instructors.

New York State Education Dept., Albany

PUB DATE - 64 45p.

\*TRADE AND INDUSTRIAL EDUCATION; \*INSTRUCTIONAL MATERIALS; \*SCHOOL BUSES; MANUALS; TRAFFIC SAFETY; STATE PROGRAMS; \*CURRICULUM GUIDES  
\*SCHOOL BUS DRIVERS

Developed by the Driver Training Research Committee of the New York State Association of School Business Officials, this manual is for instructors' use in developing an advanced course of instruction for school bus drivers. The material, to be covered in 10 hours of instruction, includes these units: (1) Pupil Control, (2) Maintenance and Inspection, (3) Public Relations, (4) Emergency and Safety Procedures, and (5) Testing and Evaluation. The purpose, instructor qualifications, suggested teaching methods, and a unit outline are given for each unit. A related document is available as Y1 002 013 (also in this issue). (GM)

**Y1-002-013**

Manual for the Instruction of School Bus Drivers of the State of New York.

New York State Education Dept., Albany.

PUB DATE - 63 79p.

\*MANUALS; SCHOOL BUSES; \*DRIVER EDUCATION; \*TRAFFIC SAFETY; \*ADULT VOCATIONAL EDUCATION; TRADE AND INDUSTRIAL EDUCATION; TEACHING GUIDES; \*INSTRUCTIONAL MATERIALS; STUDENT TRANSPORTATION; COURSE ORGANIZATION; COURSE CONTENT; COURSE DESCRIPTIONS; \*CURRICULUM GUIDES  
\*SCHOOL BUS DRIVERS

This guide is for instructor use in a training course for school bus drivers, designed to promote safer and more economical operation of school buses. Developed by a school transportation supervisor and revised by a supervisor of secondary education, contents include: (1) suggestions for organizing a course for school bus drivers, (2) ten individual units about school bus driver qualifications and instruction, (3) review test, and (4) list of files for individual units of instruction. The units include general purpose, pretraining test, general information, and questions for discussion. A bibliography and various sample forms are appended. A related document is available as Y1 001 999 (also in this issue). (EM)

**Y1-559-350**

Electrotechnical Technology, Educational Needs of the Technical Worker.

California State Dept. of Education, Sacramento

PUB DATE - 63 18p.

\*TECHNICAL EDUCATION; \*SUBPROFESSIONALS; \*JUNIOR COLLEGES; \*EDUCATIONAL NEEDS; CURRICULUM PLANNING; JOE ANALYSIS; EMPLOYMENT OPPORTUNITIES; OCCUPATIONAL INFORMATION; ELECTROMECHANICAL TECHNOLOGY

Electromechanical technical workers, under the direction of engineers and scientists, establish methods and procedures to construct, test, or modify items of an electromechanical nature. A curriculum for these technical workers consists of instruction in technical, scientific, and manipulative areas. Job operational analysis to determine specific curriculum content reveals that electromechanical technical workers spend 52 percent of their work time in developing and testing regulatory units and devices. Other operations comprising the total job time include: (1) supervising, appraising, and training subordinates, 15 percent, (2) inspecting production work of others, 13 percent, (3) planning for research or production, 11 percent, and (4) coordinating production and research functions with other departments, 9 percent. Subject matter recommendations of industrial spokesmen, given in semester units, are: (1) electronics, 18, (2) mechanics, 14, (3) mathematics, 9, (4) drafting and blueprint reading, 4, (5) supervision, 4, and (6) communications, 6. Industry expects to recruit a substantial portion of the needed electromechanical technical workers from students completing two years of post-high school study. This booklet is designed to assist California junior colleges in developing occupation-centered curriculums. (HC)

Y1 004 677

Skccq, Emory L.

Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.

PUB DATE - 66 173p.

MASTERS THESES; \*PRACTICAL MATHEMATICS; \*TRADE AND INDUSTRIAL EDUCATION; \*TECHNICAL EDUCATION; MODERN MATHEMATICS; POST SECONDARY GRADES; \*TEXTBOOKS; \*TEXTBOOK PREPARATION; ACHIEVEMENT TESTS; ANSWER KEYS; STUDENT PROJECTS  
\*WILLIAM HODD DUNWOODY INDUSTRIAL INSTITUTE; MINNESOTA

The purpose of this thesis was to revise the practical mathematics textbook used at the William Hodd Dunwoody Industrial Institute to include modern mathematical concepts. It is for use by trade and technical students in a beginning arithmetic course. It assumes prior knowledge of whole number, common fraction, decimal fraction and percentage operations. Chapter titles are (1) Operations with Whole Numbers, (2) Whole Numbers and Fractions, (3) Operations with Common Fractions, (4) Operations with Decimals, (5) Operations with Percent, (6) Measurement and Approximation, (7) Ratios and Equivalent Ratios, (8) Estimating, and (9) Applying Arithmetic to Trade Problems. Each chapter gives explanatory information, example problems, and practical problems, and self-tests. Answers are provided for all practice problems and tests. (EM)

Y1 002 166

ED 033 205

Watson, Nelson A.; Walker, Robert K.

Training Police for Work with Juveniles.

International Association of Chiefs of Police, Washington, D.C. Research and Development Div.

Office of Juvenile Delinquency and Youth Development (OJDY), Washington, D.C.

PUB DATE - Dec65 65p.

\*CURRICULUM GUIDES; \*POLICE; INSERVICE EDUCATION; \*TRADE AND INDUSTRIAL EDUCATION; DELINQUENCY PREVENTION; \*DELINQUENCY; LAW ENFORCEMENT; CURRICULUM DEVELOPMENT; ADULT VOCATIONAL EDUCATION; INSTRUCTIONAL MATERIALS; \*YOUTH PROBLEMS

This curriculum guide for law enforcement personnel is to be used in planning a training session in law enforcement. Police policy, practice, and procedure in handling juvenile cases are covered. Units are: (1) Introduction, (2) Methods and Materials Affecting Police Training in Juvenile Relations, (3) Determining Training Needs, including analysis of critical incidents, citizen complaints, inspections, performance ratings, and community relations, (4) Curriculum development, and (5) Suggested Curriculum for Police Training in Juvenile Matters. The teachers should be law enforcement personnel and have experience in law enforcement and training. Supplementary materials include: (1) Curriculum suggestions for two workshops, (2) training record and tracking procedures, (3) role of the police in juvenile delinquency, (4) sample lesson plan format, (5) films for use in police training on juvenile matters, and (6) a bibliography. (GP)

**YI-CC9-848****Carpentry and Building Construction.**

Department of the Army, Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(C101.11:5-460, \$.75).

PUB DATE - Apr 60 201p.

\*TRADE AND INDUSTRIAL EDUCATION; \*CARPENTERS; \*BUILDING TRADES; \*SUPPLEMENTARY  
TEXTBOOKS; \*WOODWORKING; \*RESOURCE GUIDES; \*TEACHING GUIDES; VOCABULARY; ORTHOGRAPHIC  
SYMBOLS; CONSTRUCTION INDUSTRY; \*CONSTRUCTION (PROCESS); PERFORMANCE SPECIFICATIONS  
DEPARTMENT OF THE ARMY; IM 5-460Applicable for both training and field use, this manual provides instruction in  
maintaining, repairing, and constructing buildings and other wood structures as well as  
giving information on prefabricated buildings, including proper erection, crew  
organization, erection time rates, and recommended procedures. Topics covered are: (1)  
Lumber, (2) Joints, Splices, and Methods of Fastening, (3) layout and Foundations, (4)  
Framing, (5) Coverings, (6) Accessories, and (7) Methods of Frame Construction.  
Supplementary materials include references, paint requirements, construction rates, a  
glossary of terms, and abbreviations and symbols. (GR)**YI-CC9-675**

Phipps, D. Earl

Bell and Spigot Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry;  
Packet 6.Texas A and M Univ., College Station, Engineering Extension Service  
Texas State Board for Vocational Education, Austin  
Texas State Joint Apprenticeship Committee for Plumbing and Pipe FittingInstructional Materials Production, Engineering Extension Service, Texas A and M  
University, P.O. Drawer K, College Station, Texas 77843 (\$1.50).

PUB DATE - Nov 53 24p.

\*STUDY GUIDES; INSTRUCTIONAL MATERIALS; ASSIGNMENTS; \*TRADE AND INDUSTRIAL EDUCATION;  
\*PLUMBING; \*APPRENTICESHIPS; \*PLUMBERSPrepared by a subject-matter specialist, this booklet is for student use in training  
programs for apprentice plumbers and pipe fitters. The content consists of student  
progress records for both the student notebook and instructor's file, information  
sheet, study questions, and nine student assignments providing content, purpose,  
references, introductory information on the subjects, and procedures. Assignments  
cover: (1) Cast Iron Soil Pipe, (2) Measuring, Marking, and Cutting Cast Iron Soil  
Pipe, (3) Assembling, Yarning, and Straightening Vertical Soil Pipe Joints, (4) Pelling  
Calking Lead and Pouring Vertical Joints, (5) Calking, Yarning, and Trimming Vertical  
Soil Pipe Joints, (6) Assembling Yarning, Pouring and Calking Horizontal Soil Pipe  
Joints, (7) Vitrified Clay Pipe, (8) Pituminized Fibre Pipe, and (9) Asbestos-Cement  
Pipe. (AW)**YI-CC9-969**

Skuse, Earlard G.

Basic Electricity. Direct Current Generators, Motors, and Controllers.

Thomas A. Edison Vocational and Technical High School, Elizabeth, N.J.  
Rutgers, The State Univ., New Brunswick, N.J. Curriculum lab.Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New  
Brunswick, New Jersey 08903 (\$1.75).

PCE DATE - Jul 65 176p.

\*ELECTRICITY; ELECTRIC \*CIRCUITS; \*LESSON PLANS; \*COURSEWORK GUIDES; \*INDUSTRIAL  
TECHNICAL; TEACHING GUIDES; INSTRUCTIONAL MATERIALS; ACHIEVEMENT TESTS; COURSE  
DESCRIPTIONS; COURSE OBJECTIVES; TEACHING PROCEDURESThis teaching guide on basic electricity contains the following 11 units of  
instruction: (1) Introduction to D.C. Machinery, five lessons, (2) Shunt Generators,  
six lessons, (3) Series Generator, one lesson, (4) Compound Generators, seven lessons,  
(5) Parallel Operation, two lessons, (6) Introduction to A.C. Motors, four lessons, (7)

D.C. Motor Manual Starters, four lessons, (8) D.C. Shunt Motors, four lessons, (9) D.C. Series Motors, two lessons, (10) Compound Motors, four lessons, and (11) Automatic Motor controls, four lessons. Each lesson includes objective, related information, equipment, procedure review questions and line drawings. Achievement tests for each unit are appended. (GR)

# VI-009-997

Pinnano, Ralph, And Others

Highway Drawing; Teacher's Guide. Highway Technicians Program, Unit II.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Department of Education, Education Building, Albany, New York 12224 (single copies, \$1.25).

PUB DATE - 68 143p.

\*DRAFTING; \*TEACHING GUIDES; CIVIL ENGINEERING; \*ENGINEERING TECHNICIANS;  
\*TRANSPORTATION; \*TECHNICAL EDUCATION; POST SECONDARY EDUCATION; CURRICULUM  
CURRICULUM  
\*HIGHWAY DRAWING

This teaching guide on highway drawing, the second of a series of courses in the Highway Technicians Program, was developed by a committee of education department personnel and writing consultants for use in course and lesson planning. The course, designed for 35 hours of instruction at the adult education level, includes the following 14 lessons: (1) Introduction to the Course, (2) Drawing Equipment, (3 and 4) two lessons on the Use of Drawing Equipment, (5) Topographic Maps, (6) Topographic Symbols, (7) Abbreviations, Lettering, and Inking, (8) Techniques of Reproducing Drawings, (9) Map Projections, (10) U.S. Geological Survey Maps, (11) Plotting Field Notes (Transit), (12) Plotting Field Notes (Cross-sections), (13) The Highway Plan, and (14) Aerial Photography and the Digital Computer. A glossary of abbreviations and a final examination are appended. Teachers are encouraged to use supplemental materials. (GR)

# VI-010-010

Course Organization and Planning; A Teaching Guide for Extension Teacher Training, Unit 3.

Texas A and M Univ., College Station. Engineering Extension Service

Texas Univ., Austin. Div. of Extension

Texas Education Agency, Austin. Vocational Industrial Education Div.

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.O. Drawer R, College Station, Texas 77843 (\$1.75).

PUB DATE - 60 53p.

\*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS; \*TEACHING GUIDES;  
EXTENSION EDUCATION; \*TEACHER EDUCATION; TEACHING TECHNIQUES; TEACHING METHODS; \*COURSE  
ORGANIZATION; EDUCATIONAL PLANNING

This third of a series of six teacher training guides for preparing teachers of trade extension, apprentice related, short-unit preparatory and similar classes of adults is designed to assist instructors in gathering, organizing, and preparing teachable content based upon sound trade practices. The 10-hour course outline includes: (1) Overview of Course Making Processes, (2) Objectives of Course, (3) Qualifications of Learners, (4) Teaching Problems, (5) Determine Subject Matter, (6) List Jobs, technical topics, Auxiliary topics, Occupational Information and Supervised Activities, (7) List and Arrange Jobs on Difficulty Scale, (8) Separate Jobs into Do and Know Elements, (9) Present Short-Cut Related Instructional Analysis, and (10) Preparation and Use of Objective Tests. Suggested teaching techniques, aids, and student activities are included for each topic. A bibliography, word definitions, related instruction, lesson plans, and a sample course outline are appended. Related course outlines are available as VI 010 011, VI C10 C39-VI 010 041, and VI C10 186 (all in this issue). (GR)

# VI-010-011

Introduction to Teaching Vocational Industrial Subjects; A Teaching Guide for Extension Teacher Training, Unit 1.

Texas A and M Univ., College Station. Engineering Extension Service

Texas Univ., Austin. Div. of Extension

Texas Education Agency, Austin. Vocational Industrial Education Div.

Instructional Materials Production, Engineering, Extension Service, Texas A and M University, P.O. Drawer K, College Station, Texas 77843 (\$1.75).  
PUB DATE - 60 92p.

\*TEACHING GUIDES; \*EXTENSION EDUCATION; \*TEACHER EDUCATION; \*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS; TEACHING METHODS; TEACHING TECHNIQUES; PLANNING

This first of a series of six teacher training course guides for preparing teachers of trade extension, apprentice related, short unit preparatory and similar classes for adults is recommended for a 10-hour course. The course outline includes: (1) Introduction, (2) Factors in Learning and Teaching, (3) Methods of Teaching Tools, (4) Summarize, (5) Use of Methods of Teaching, (6) How to Instruct, (7) Types of Lessons, (8) Determining What to Teach, (9) Planning for Instruction, (10) Examples of Planned Lessons, and (11) Test. Teaching techniques, instructional aids, and student activities are suggested for each topic. Examples of teaching methods, learning procedures, lesson plans, and effective employee training guides are appended. Related course outlines are available as VT 010 010, VT 010 039-VT 010 041, and VT 010 186 (all in this issue). (GR)

#### VI-010-016

Highway Design and Estimating: Teacher's Guide for Unit VI of Program for Highway Technicians.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (\$2.00, single copies).  
PUB DATE - 68 230p.

\*TEACHING GUIDES; CURRICULUM GUIDES; \*ADULT VOCATIONAL EDUCATION; \*TECHNICAL EDUCATION; \*CIVIL ENGINEERING; \*TRANSPORTATION; ROAD CONSTRUCTION

This teacher's guide is one of a series in the Highway Technicians Program which was developed through cooperation between the New York State Department of Transportation and the State Education Department. The series of nine courses is intended to provide fundamental information to prepare students in an adult education setting for work in highway planning, design, construction, and maintenance. Lessons deal with: (1) sequence of design, (2) highway classification, (3) features of design, (4) horizontal alignment, (5) vertical alignment, (6) typical sections and standard structure sheets, (7) geometric auxiliaries, (8) the engineer's estimate, and (9) report on design and estimate. Objectives for each lesson are followed by a format of two parallel columns headed "Content Outline" and "Teaching Points and Techniques." The total time allotment is 38 hours. The teacher should be an experienced highway engineer with specialized background in design. The students should be high school graduates who have studied calculus and have completed the series course on preliminary highway planning. (JX)

#### VI-010-018

Soils and Drainage: Teacher's Guide for Unit V, Highway Technicians Program.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$1.75).  
PUB DATE - 67 207p.

\*TEACHING GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*ENGINEERING TECHNICIANS; \*HIGHWAY ENGINEERING AIDS; \*TECHNICAL EDUCATION; \*ADULT VOCATIONAL EDUCATION; \*SOIL SCIENCE; \*AGRICULTURAL ENGINEERING

A committee of education department personnel and writing consultants developed and created this teacher's guide for use in adult education programs for highway technicians. It is intended to aid instructors in planning courses and lessons designed to prepare students for advanced work in highway planning, design, construction, and maintenance. Contents consist of 11 lessons, each providing cited references, objectives, content outline, and teaching points and techniques. Some of the topics covered are: (1) Index Properties of Soils, (2) Soil Description and Classification, (3) Engineering Properties of Soils, (4) Soil Water, (5) Compaction of Earth and Soils, (6) Contraction Control Test, (7) Influence of Soil Conditions of Highway Design and Construction, and (8) Highway Drainage. A glossary of symbols, sample final examination with answers, and bibliography and reference key symbols also are included.



An experienced highway engineer with specialized background in soils should teach the 36-hour course, and students must be high school graduates, have completed prerequisites, and have scored high on a required mathematics test. Supplemental media is desirable in presenting the course. (AW)

VT 010 030

Auto Body Repair and Painting; Suggested Basic Course Outline.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Education Agency, Austin

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.E. Drawer K, College Station, Texas 77843 (\$1.25).  
PUB DATE - Jul64 69p.

\*CURRICULUM GUIDES; TEACHING GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*AUTO BODY REPAIRMEN; \*SKILLED OCCUPATIONS

This course guide was developed by a special workshop committee for teacher use in course and lesson planning. The course content, designed for a 2-year period, includes: (1) objectives, (2) development of a detailed course of study, (3) items that should be included in all vocational courses, (4) a first year course outline which includes an introduction, body repair tools, oxy-acetylene welding, body alignment, disassembling body, and hardware trim, and (5) the second year course outline including orientation to auto-body paint, auto-body painting equipment, auto-body finishing materials, auto-body painting operations and techniques, painting operations, and preparation of a paint job for delivery. Teaching suggestions and sources of information are provided for each topic. A bibliography, filmstrip list, film list, tool and equipment list and an auto body repair and paint shop layout are appended. (GR)

VT 010 039

Organization and Management of Vocational Industrial Education; A Teaching Guide for Extension Teacher Training, Unit 5.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Univ., Austin. Div. of Extension  
Texas Education Agency, Austin. Industrial Education Div.

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.E. Drawer K, College Station, Texas 77843 (\$1.25).  
PUB DATE - 65 55p.

\*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS; \*TEACHING GUIDES; \*EXTENSION EDUCATION; \*TEACHER EDUCATION; ORGANIZATION; MANAGEMENT

This fifth of a series of six teacher training course guides for preparing teachers of trade extension, apprentice related, short unit preparatory and similar classes of adults was designed for a 10-hour course. The outline includes: (1) review of materials, (2) review of teaching problems, (3) historical background and objectives of vocational education, (4) public and industrial relations, (5) state and local organizations for trade and industrial education, (6) relation of vocational education to the total educational program, (7) importance of teaching vocational industrial subjects, (8) professional organizations, and (9) information on permanent certification. Teaching techniques, instructional aids, and student activities are suggested for each topic. Teacher reference material is appended. Related course outlines are available as VT 010 010, VT 010 011, VT 010 040, VT 010 041, and VT 010 186 (all in this issue). (GR)

VT 010 040

The Use of Instructional Aids; A Teaching Guide for Extension Teacher Training, Unit 4.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Univ., Austin. Div. of Extension  
Texas Education Agency, Austin. Industrial Education Div.

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.E. Drawer K, College Station, Texas 77843 (\$1.50).  
PUB DATE - 65 83p.

\*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS; \*TEACHING GUIDES; EXTENSION EDUCATION; \*TEACHER EDUCATION; \*AUDIOVISUAL AIDS; INSTRUCTIONAL AIDS



This fourth of a series of six teacher training guides for preparing teachers of trade extension, apprentice related, short-unit preparatory and similar classes for adults is designed to assist instructors in using a variety of visual aids. The 10-hour course outline includes: (1) Use of Posters, Wall Charts, and Other Visual Materials, (2) Review-Teaching with Printed Materials, (3) Use of Motion Pictures, (4) Use of Overhead Projector, and (5) Practice Session to Include Strip Film and Slide Projector, the Chalkboard, Motion Picture Projector, and Overhead Projector. Suggested teaching techniques, aids, and student activities are included for each topic. Characteristics of a good visual aid, suggested types of instructional materials and their uses, a sample assignment sheet, a sample operation sheet, sample individual suggestion sheets for using eight different visual aids, and schematic threading diagrams for different styles of movie projectors are appended. Related course outlines are available as VT 010 010, VT 010 011, VT 010 039, VT 010 041, and VT 010 186 (all in this issue). (GR)

#### VT 010 041

Organizing and Teaching Accident Prevention Subjects; A Teaching Guide for Extension Teacher Training, Unit 6.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Univ., Austin. Div. of Extension  
Texas Education Agency, Austin. Industrial Education Div.

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.E. Drawer K, College Station, Texas 77843 (\$1.00).  
PUE DATE - 66 45p.

\*TRADE AND INDUSTRIAL EDUCATION; \*TEACHING GUIDES; EXTENSION EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS; \*TEACHER EDUCATION; \*ACCIDENT PREVENTION; INSTRUCTIONAL MATERIALS; SAFETY EDUCATION; EPISODE TEACHING

This outline is one of a series of teacher training guides for preparing teachers of trade extension, apprentice related, short-unit preparatory and similar classes for adults in a 10-hour course. Part I includes: (1) Introduction, (2) Reasons and Incentives for Accident Prevention, (3) Axioms and Industrial Safety, (4) Basic Philosophy of Accident Occurrence and Prevention, and (5) Accident-Prevention Method. Part II, on workshop activities, includes: (1) Expected Outcomes, (2) Organization of Lesson Plans on Safety Subjects, (3) Practice Teaching, and (4) Review and Summary. Suggested teaching techniques, aids, and student activities are included for each of the topics. References and suggested hand-out materials for Part I and Part II are appended. Related course outlines are available as VT 010 010, VT 010 011, VT 010 039, VT 010 040, and VT 010 186, all in this issue. (GR)

#### VT 010 043

Refrigeration and Air Conditioning; Suggested Basic Course Outline for First and Second Years Trade Preparatory Instruction, Texas Public Schools.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Education Agency, Austin

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.E. Drawer K, College Station, Texas 77843 (\$1.00).  
PUE DATE - 59 52p.

\*TRADE AND INDUSTRIAL EDUCATION; \*CURRICULUM GUIDES; \*AIR CONDITIONING; \*REFRIGERATION; \*REFRIGERATION MECHANICS; SERVICE OCCUPATIONS; CLIMATE CONTROL

This course guide was developed by a special workshop committee for teacher use in course and lesson planning. The first year covers: (1) orientation, (2) basic fundamentals, (3) theory of mechanical refrigeration, (4) tools and equipment, (5) basic electricity, and (6) electric motors. Servicing refrigeration and air conditioning equipment, troubleshooting, and commercial refrigeration are emphasized in the second year. Teaching suggestions and sources of information are provided for each topic. A bibliography is appended. (GR)

#### VT 010 063

Diesel Servicing; A Suggested 2-Year Post High School Curriculum.

Office of Education (DHEW), Washington, D.C. Bureau of Adult, Vocational, and Library Programs

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(FS5-287:87045, \$1.25).  
PUB DATE - 69 127p.

\*POST SECONDARY EDUCATION; \*CURRICULUM GUIDES; INSTRUCTIONAL MATERIALS; \*PROGRAM GUIDES; BIBLIOGRAPHIES; MECHANICS (PROCESS); \*TRADE AND INDUSTRIAL EDUCATION; EDUCATIONAL FACILITIES; TEACHING PROCEDURES; \*DIESEL ENGINES; AUTO MECHANICS (OCCUPATION)

Personnel from industry and vocational-technical schools helped develop this curriculum guide to assist school administrators, supervisors, and instructors in planning new programs or in revising existing programs to train post-high school vocational-technical students for job entry into diesel mechanics. The material is designed for 4 semesters and a summer session of instruction, each totaling 560 hours. The 26 course units include hours required, course description, major divisions, objectives, materials, course outline, suggested activities and assignments, and a list of references. Appendixes offer suggested shop and laboratory facilities, hand-out materials for notetakers, a comprehensive bibliography of texts and references, sample instructional materials, evaluative forms, and lists of equipment, tools and training aids. (GR)

#### VI\_010\_070

Escalated Course of Study for Automobile Mechanics; A Suggested Topical Outline for Training Under the Manpower Development and Training Act. Teacher's Guide.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies available for \$.50).  
PUB DATE - 67 43p.

\*TEACHING GUIDES; \*AUTO MECHANICS (OCCUPATION); MOTOR VEHICLES; \*TRADE AND INDUSTRIAL EDUCATION; CURRICULUM GUIDES; COURSE CONTENT; \*COURSE DESCRIPTIONS; ADULT EDUCATION EDUCATION

Developed by a committee of education department personnel and writing consultants, this teacher's guide is for use in course and lesson planning in automobile mechanics instruction. Outlined are three complete course outlines so correlated that instruction can be given on the next level without unnecessary repetition. The courses and time allotments are: (1) Auto Service Station Attendant-40 hours, (2) Service Station Mechanic-50 hours, and (3) Auto Mechanic-140 hours. An overhead projector and chalkboard are recommended as desirable supplemental media. (GR)

#### VI\_010\_090

Metal Trades; Suggested Basic Course Outline.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Education Agency, Austin

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.O. Drawer K, College Station, Texas 77843 (\$1.35).  
PUB DATE - Jul 64 99p.

\*CURRICULUM GUIDES; TEACHING GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*METALS; \*METAL WORKING OCCUPATIONS; \*WELDING

This course guide was developed by a special workshop committee for teacher use in course and lesson planning. The course content, designed for a 2-year period, includes: (1) objectives, (2) developing a detailing course of study, (3) items that should be included in all vocational industrial courses, (4) a first year outline to teach general skills and common technical knowledge, hand tools, bench metalwork, power tools, machine tools, oxy-acetylene operations, electric arc welding, sheet metal materials and supplies, and forming operations and equipment, and (5) the second year outline covering general skills and common technical knowledge, trends of industry, shop organization, metals, oxy-acetylene welding, welding pipe, cast iron welding, brazing cast iron, aluminum welding, brazing, tempering, electric arc welding and other welding operations, patterns, fabrication, sheet metal, and machine tools. Suggestions on teaching and sources of information are provided for each topic. A bibliography, film and filmstrip list, tool and equipment list, and a floor plan are appended. (GR)

VT 010-102

Electricity for Electronics. Teacher's Guide. Unit 1. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Occupational Extension and Industrial Services

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$1.75).  
PUB DATE - 62 230p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*BASIC ELECTRICITY FOR ELECTRONICS

This first of a series of courses in basic electronics was developed by a committee of education department personnel and writing consultants for instructors planning course in the fundamentals of electricity. This course, designed for 36 hours of instruction, is planned for use in occupational upgrading of new students as well as for those who have some experience. The two sections contain 12 lessons in direct current (DC) electricity with a final examination and 11 lessons in alternating current (AC) electricity with a final examination. Selected references, a topical outline for Section I (DC electricity), and a topical outline for Section II (AC electricity) are appended. Related documents are available as VT 010 103-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VT 010-103

Vacuum Tubes. Teacher's Guide. Unit 2. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 86p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*VACUUM TUBES

Vacuum Tubes is the second unit in a series of courses in Basic Electronics which was developed by a committee of education department personnel and writing consultants for instructors planning courses and lessons in this area of study. This 25-hour course is designed to develop, improve, and expand the work skills and technical understanding of those already working as technicians and craftsmen or those preparing to work in it. This teaching guide includes the following nine lessons: (1) Introduction to the Course, (2) Diode Structure, (3) Diode Operation, (4) Diode Characteristics and Applications, (5) Diode Applications and Triode Operation, (6) Triode Applications, (7) Tube Characteristics, (8) Tetrodes, and (9) Pentodes. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VT 010-104

Basic Amplifiers. Teacher's Guide. Unit 3. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 83p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*AMPLIFIERS

Basic Amplifiers is the third unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants, for use by instructors who are planning courses and lessons in this area of study. This 18-

hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following six lessons: (1) Amplification and Bias Methods, (2) Cascade Amplifiers and Coupling Methods, (3) Coupling and Decoupling Methods, (4) Power Amplifiers, (5) Classes of Operation and Driver Stages, and (6) Nonsinusoidal Waveforms and Distortion. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VT 010 105

Power Supplies. Teacher's Guide. Unit 4. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).

PUB DATE - 66 79p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*POWER SUPPLIES

Power Supplies is the fourth unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 13-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following four lessons: (1) Vacuum Tube Rectifiers and Circuits, (2) Voltage Dividers, Regulation, (3) Electronic Regulation and Special Rectifier Circuits, and (4) Metallic Rectifiers. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VT 010 106

Basic Transistor Circuits and Applications. Teacher's Guide. Unit 10. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).

PUB DATE - 67 101p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*TRANSISTOR CIRCUITS

Basic Transistor Circuits and Applications is the 10th unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 28-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following 10 lessons: (1) Introduction, (2) Common-Base Transistor Amplifiers, (3) Common-Emitter Transistor Amplifiers, (4) Common-Collector Transistor Amplifiers, (5) Biasing Methods, (6) Cascading Amplifiers, (7) Multistage Amplifiers, (8) Power Amplifiers, (9) Oscillators, and (10) Printed Circuits. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VT 010 107

Advanced Transistor Circuits and Applications. Teacher's Guide. Unit 11. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).

PUB DATE - 67 79p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING;  
ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL  
EDUCATION  
\*TRANSISTOR CIRCUITS

Advanced Transistor Circuits and Applications is the 11th unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 23-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following eight lessons: (1) Introduction, (2) Transistor Gates and Flip-Flop Circuits, (3) Transistors in Power Supplies, (4) Special Transistor Oscillators, (5) Industrial Applications of Transistors, (6) Semiconductor Developments, (7) Additional Transistor Developments, and (8) Servicing Transistor Circuits. A final examination is appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

#### VT 010 108

Audio Amplifying Systems. Unit 5. Teacher's Guide. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUE DATE - 66 144p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING;  
ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL  
EDUCATION  
\*AUDIO AMPLIFYING SYSTEMS

Audio Amplifying Systems is the fifth unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants, for use by instructors who are planning courses and lessons in this area of study. This 28-hour course is designed for use in occupational upgrading of new students as well as those with some experience. This teaching guide includes the following 10 lessons: (1) Introduction, (2) Push-Pull Amplifiers, (3) Graphic Analysis of Push-Pull Operation, (4) and (5) Phase Inverters, (6) Complete Amplifier Systems, (7) Networks, Filters, and Tone Controls, (8) Feedback Amplifiers, (9) Cathode-Followers, and (10) Wide-Band Amplifiers. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 107 and VT 010 120-VT 010 123 (all in this issue). (GR)

#### VT 010 120

Essentials of Transistors and Semiconductors. Teacher's Guide. Unit 9. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.75).  
PUE DATE - 67 114p.

\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING;  
ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL  
EDUCATION  
\*TRANSISTORS AND SEMICONDUCTORS

Essentials of Transistors and Semiconductors is the ninth unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 28-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following 10 lessons: (1) Introduction, (2) Modern Electron Theory, (3) Semiconductor Materials, (4) PN Junctions, (5) Introducing the Transistor, (6) PNP Transistors, (7) Transistor Characteristics, (8) Basic Transistor Circuits, (9) Transistor Data, and (10) Transistor Tetrodes. A final examination and a glossary of symbols are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 121-VT 010 123 (all in this issue). (GR)



VI\_010\_121

Oscillators. Teacher's Guide. Unit 8. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 80p.\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*OSCILLATORS

Oscillators is the eighth unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 20-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following seven lessons: (1) Introduction, (2) The Armstrong Oscillator, (3) Basic Oscillator Circuits, (4) Oscillator Stability, (5) Crystal Oscillators, (6) Low-Frequency Oscillators, and (7) Oscillator Performance. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VI\_010\_122

Radio Frequency Amplifiers. Teacher's Guide. Unit 7. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 101p.\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*RADIO FREQUENCY AMPLIFIERS

Radio Frequency Amplifiers is the seventh unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 23-hour course is designed for occupational upgrading of new students as well as those with some experience. This teaching guide includes the following eight lessons: (1) Introduction, (2) Untuned R-F Amplifiers, (3) Series Resonance, (4) Parallel Resonance, (5) Tuned Impedance-Coupled R-F Amplifiers, (6) Transformer-Coupled Radio-Frequency Amplifiers, (7) Class C R-F Amplifiers, and (8) Use of Wavegraphs. A final examination and a glossary of symbols are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 123 (all in this issue). (GR)

VI\_010\_123

Measuring Instruments. Teacher's Guide. Unit 6. Basic Electronics Series.

New York State Education Dept., Albany. Bureau of Continuing Education Curriculum Development

Publications Distribution Unit, New York State Education Department, Education Building, Albany, New York 12224 (single copies, \$.50).  
PUB DATE - 66 96p.\*TEACHING GUIDES; \*ADULT EDUCATION PROGRAMS; \*ELECTRONIC TECHNICIANS; \*TRAINING; ELECTRONICS; CURRICULUM; TECHNICAL EDUCATION; CONTINUATION EDUCATION; ADULT VOCATIONAL EDUCATION  
\*MEASURING INSTRUMENTS

Measuring Instruments is the sixth unit in a series of courses in Basic Electronics, developed by a committee of education department personnel and writing consultants for use by instructors who are planning courses and lessons in this area of study. This 20-hour course is designed for occupational upgrading of new students as well as those

with some experience. This teaching guide includes the following seven lessons: (1) Introduction to the Course, (2) Basic Meter Movements, (3) Multimeters and Vacuum-Tube Voltmeters, (4) Oscilloscopes, (5) and (6) Oscilloscope Applications, and (7) Signal Generators. A glossary of symbols and a final examination are appended. Related documents are available as VT 010 102-VT 010 108 and VT 010 120-VT 010 122 (all in this issue). (GR)

# VI\_010\_155

Training Programme for First Year Motor Vehicle Craft Apprentices.

Road Transport Industry Training Board, Belfast (Northern Ireland)

Road Transport Industry Training Board, Londonderry House, Chichester Street, Belfast BT1 4JJ, Northern Ireland.  
PUB DATE - May68 187p.

\*TRADE AND INDUSTRIAL EDUCATION; \*AUTO MECHANICS (OCCUPATION); \*CURRICULUM GUIDES; FOREIGN COUNTRIES; \*AUTO MECHANICS; TRANSPORTATION; \*APPRENTICESHIPS; LESSON PLANS; STUDENT PROJECTS; INSTRUCTIONAL AIDS  
IRELAND

This training guide, developed for first-year motor vehicle craft apprentices, is designed to give the apprentice a full 12 months of training in the acquisition of the basic skills of his trade and experience in the use of the elementary tools and service equipment. Contents included are: (1) Introduction, (2) Occupational Specification, (3) Training Programme Conditions, (4) Induction, (5) Instructors, (6) Testing, (7) Planned Experience, (8) Length of Training, (9) Training Syllabus, (10) Instruction Guide, and (11) Records. Knowledge/Skills Requirements, Induction, Tools, General Equipment, Specialized Equipment, Materials, Syllabus, Instruction Guide, Record, and Testing and Marking are titles of appended materials. The document is mimeographed. Plans of student projects are suitable for reproduction as overhead transparencies. (GR)

# VI\_010\_162 ED C35 755

Waiter-Waitress: A Suggested Guide for a Training Course.

Office of Education (DHEW), Washington, D.C. Div. of Manpower Development and Training

PUB DATE - 69 56p.

\*CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*RESOURCE MATERIALS; \*FOOD SERVICE INDUSTRY; \*FOOD SERVICE OCCUPATIONS; OCCUPATIONAL HOME ECONOMICS

This guide was developed for the Division of Manpower Development and Training to serve as a reference for school administrators and teachers in preparing trainees for employment in the food service industry. Contents include: (1) brief background information, (2) nine course units, (3) material on teaching the course, (4) bibliography, (5) visual aids, and (6) appendixes. Course units covering 120 hours of instruction are provided for: (1) Orientation, (2) Mechanics of Service, (3) Table Clearing Services, (4) Menu and Ordering Service, (5) Preparation and Presentation of Guest Check, (6) Basic English, (7) Business Arithmetic, (8) Safety and Sanitation, and (9) Duties and Working. Each unit gives training time, course objectives, and course outline, with some also providing supplemental training materials, references, visual aids, and suggested activities. Some areas covered in the appendixes are: (1) supplies and equipment, (2) cafeteria and luncheonette service, (3) menus, (4) table service, (5) cashier, headwaiter, and hostess duties, (6) proper grooming, (7) sample tests and reviews, (8) suggested evaluation material for dining room employees, and (9) teaching effectiveness. The training guide is illustrated with photographs, diagrams, and drawings. (AW)

# VI\_010\_166

Practice Teaching: A Teaching Guide for Extension Teacher Training, Unit 2.

Texas A and M Univ., College Station. Engineering Extension Service  
Texas Univ., Austin. Div. of Extension  
Texas Education Agency, Austin. Vocational Industrial Education Div.

Instructional Materials Production, Engineering Extension Service, Texas A and M University, P.O. Drawer K, College Station, Texas 77843 (\$1.25).  
PUB DATE - 65 55p.

\*TEACHING GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*TRADE AND INDUSTRIAL TEACHERS;



EXTENSION EDUCATION; \*TEACHER EDUCATION; TEACHING TECHNIQUES; \*EPISODE TEACHING; TEACHING METHODS

The second of a series of six teacher training guides is for preparing teachers of trade extension, apprentice related, short unit preparatory and similar classes for adults in a 10-hour course. The outline includes: (1) Review of Unit I, (2) Review of Teaching Methods, (3) Review of Teaching Aids and Their Use, (4) Demonstration Teaching, (5) Practice Teaching Assignment, and (6) Practice Sessions. A review of the 4-step plan of instruction, techniques of instruction, methods of teaching, lesson planning, and an observation outline for evaluating are appended. Related course outlines are available as VT 010 010, VT 010 011, and VT 010 039-VT 010 041 (all in this issue). (GR)

VT 010 193

Fire Department Pump Operation; Instructor's Guide.

Texas A and M Univ., College Station. Firemen Training School  
Texas Education Agency, Austin. Vocational Industrial Education

Instructional Materials Production, Engineering Extension Service, Texas A and M University, E.E. Drawer K, College Station, Texas 77843 (\$2.50).  
POB DATE - 12Dec63 239p.

\*TEACHING GUIDES; \*LESSON PLANS; \*TRADE AND INDUSTRIAL EDUCATION; \*FIRE SCIENCE EDUCATION; \*FIRE FIGHTERS; TECHNICAL EDUCATION

Prepared by the staff of the Texas Firemen's Training School, Engineering Extension Service, Texas A and M University, this instructor's guide is designed to aid in training fire department pump operators. Lesson plans are presented, using a 4-step format consisting of: (1) preparing the learner for instruction, (2) presenting the job or information by telling, showing, demonstrating, or illustrating one point at a time, (3) helping learner to apply the skill or information being taught, and (4) testing. Unit topics are: (1) Fire Department Pumps, including pump theory, types of pumps, and pressure and priming devices, (2) Producing Fire Streams, dealing with calculation of pressure, measurement of water capacity, etc., (3) Producing Master Fire Streams, concerned with large hoses and nozzles, relay pumping, and sprinkler and standpipe systems, (4) Pumper Practices, including responsibilities, problems, and skills of pumper drivers, and hydrant systems and testing, and (5) Service and Maintenance. Three-hour acceptance tests for fire apparatus delivered in Texas are included. (AW)

VT 010 214

Training Recommendations: Plumbing Technician.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Aug69 17p.

\*PROGRAM CONTENT; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; PLUMBING; SUBPROFESSIONALS  
\*IRELAND

This guide is one of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations. Principal features of this guide for plumbing technicians are an outline of the training program listing type of training, planned office experience, practical on-site experience, and recommended further education, and a sample timetable of the training program correlating the operations performed, weeks spent on site and in the office, and further education. Recruitment, job description, training descriptions, and information on further education, training records, and grants also are covered briefly. Personal specifications, interviewing hints, and a sample application form are appended. (AW)

VT 010 220

Training Recommendations: Heating and Ventilating Technicians.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Jan68 11p.

\*PROGRAM GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; HEATING; VENTILATION; SUBPROFESSIONALS

**\*IRELAND**

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide relates to heating and ventilating technicians. Content headings are: (1) Introduction, (2) Recruitment, (3) Job Specification, (4) Knowledge Required by Technicians, (5) Training Programme, (6) Detail of Training, (7) Grants, and (8) Conclusion. The section on Detail of Training provides subject requirements for both junior and senior technicians. Interviewing hints are appended. (AW)

**VT 010 221**

Training Recommendations: Heating and Ventilating Apprentices.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Jan68 12p.

\*PROGRAM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES CURRICULUM GUIDES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; HEATING; VENTILATION  
\*IRELAND

This guide, one of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, is concerned with recommendations for training apprentices in heating and ventilating. The principal feature of the guide is the syllabus and training program, outlining a 4-year technical college and industrial training experience. Other features covered briefly are purpose, objectives, occupational description, recruitment, and induction training. A sample application form and hints on interviewing are appended. (AW)

**VT 010 222**

Training Recommendations: Apprentice Painters.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Jun67 12p.

\*PROGRAM GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; PAINTING  
\*IRELAND

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide for apprentice painters presents an outline of a 25-week basic skills course to be followed in the first year of apprenticeship, and a 9-week outline for the second, third, or fourth years. Basic skills to be developed, training necessary, and approximate length of time (in weeks) to be spent on each item are given. Other features of the program, briefly covered, are the purpose, objectives, job description, recruitment, selection, training, induction, further education, supervision, grants, and on- and off-the-job training. A sample application form is appended. (AW)

**VT 010 224**

Training Recommendations: Electrical Installation Apprentices.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Jun67 31p.

\*PROGRAM GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; ELECTRICIANS  
\*IRELAND

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide presents recommendations for training electrical installation apprentices. Principal features of the guide are two suggested training plan outlines, the first spreading the off-the-job training course over a 3-year period, (three 14-week periods) and the second consolidating the three sections into a 1-year, 40-week program. Both plans list practical work to be done and knowledge and skills to be acquired. Technical training in the electrical contracting industry and the on-the-job training program are also

provided. General information such as job description, purpose, and recruitment are covered briefly. (AW)

#### VI-010-225

Training of General Foremen: Interim Recommendations.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Dec67 12p.

\*PROGRAM GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS;  
\*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION;  
CONSTRUCTION INDUSTRY; SUPERVISORS  
\*IRELAND

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide deals with recommendations for training general foremen. Principal features are: (1) introductory information, (2) duties and responsibilities of foremen, (3) recruitment, (4) general training, (5) induction training, (6) off-the-job training, and (7) on-the-job training. (AW)

#### VI-010-226

Training Recommendations: Apprentice Carpenter and Joiner.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Nov68 25p.

\*PROGRAM GUIDES; CARPENTERS; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS;  
\*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION;  
CONSTRUCTION INDUSTRY; CURRICULUM GUIDES  
\*IRELAND

This guide is one of a series prepared by the Construction Industry Training Board to provide training recommendations for the building trades occupations of apprentice carpenters and joiners. Contents cover: (1) Introduction, (2) Training Recommendations, (3) Objectives of Recommendations, (4) Recruitment, (5) Induction, (6) "Off-the-Job" Training, (7) "On-the-Job" Training, (8) Associated Further Education, (9) Essential Elements in Craft Training, (10) Records of Training, (11) Grants, (12) Job Description, and (13) The Training Programme. Outlines of Basic Skills Course, parts I, II, and III, listing operations to be performed and skills and knowledge to be obtained are appended, as well as information on selection and recruitment, personal specifications, interviewing hints, and a sample application form. (AW)

#### VI-010-227

Training Recommendations: Building Technicians.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Jan68 18p.

\*CURRICULUM GUIDES; \*PROGRAM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS;  
\*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION;  
CONSTRUCTION INDUSTRY  
\*IRELAND

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide presents recommendations for building technicians. Principal topics covered are: (1) The Need for Good Staff, (2) Recruitment, (3) Details of Training Plan, (4) Induction Training, (5) Training On-the-Job, (6) Training in the Technical College, and (7) Work Book. Interviewing hints are appended. (AW)

#### VI-010-234

Training Recommendations: Apprentice Plasterer.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Nov68 17p.

\*PROGRAM CONTENT; PROGRAM GUIDES; CURRICULUM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION;

\*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY  
\*IRELAND; PLASTERERS

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide relates to training of apprentice plasterers. The program includes outlines of: (1) the overall training program, specifying year of training, on-the-job training, off-the-job training, and further education, and (2) basic skills course for off-the-job training, including operations to be performed and basic skills and knowledge involved. Objectives, recruitment, induction, further education, training records, job description, and grants are also covered briefly. Personal specifications of trainees, interviewing hints, and a sample application form are appended. (AW)

Y1\_Q10\_236

Training Recommendations: Apprentice Floor and Wall Tiler.

Construction Industry Training Board, Belfast (Northern Ireland)

PUB DATE - Nov68 21p.

\*PROGRAM CONTENT; CURRICULUM GUIDES; PROGRAM GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*APPRENTICESHIPS; \*FOREIGN COUNTRIES; ON THE JOB TRAINING; \*BUILDING TRADES; ADULT VOCATIONAL EDUCATION; CONSTRUCTION INDUSTRY; FLOOR LAYERS  
\*IRELAND; WALL TILERS

One of a series prepared by the Construction Industry Training Board to provide training recommendations for building trades occupations, this guide gives recommendations for training apprentice floor and wall tilers. Briefly described are objectives, induction, on- and off-the-job training, further education, elements of craft training, job descriptions, and grants. Principal feature of the guide is an outline of the basic skills course for off-the-job training, listing operations to be performed, knowledge required, and skills involved. Hints on interviewing, a sample application form, personal specifications of trainees, and general information on selection and recruitment are appended. (AW)

Y1\_Q10\_326 ED C36 503

Heavy Construction Equipment Mechanic; A Suggested Guide for a Training Course.

Office of Education (DHEW), Washington, D.C. Div. of Manpower Development and Training

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(F55.287:87C44, \$.50).  
PUB DATE - 69 50p.

\*PROGRAM GUIDES; CURRICULUM GUIDES; \*TEACHING GUIDES; \*TRADE AND INDUSTRIAL EDUCATION; \*MACHINE REPAIRMEN; \*EQUIPMENT MAINTENANCE; MECHANICS (PROCESS); SKILLED OCCUPATIONS  
\*HEAVY CONSTRUCTION EQUIPMENT MECHANIC

Prepared by a technical writer for the Division of Manpower Development and Training, this guide is intended to aid instructors, supervisors, and administrators of vocational education and manpower training programs in establishing training programs for mechanics and technicians entering the occupation of servicing heavy construction equipment. The content provides suggested course outlines, teacher qualifications, student prerequisites, time allocation, instructional material, teaching suggestions, and methodology, as well as information regarding employment opportunities and career progression. The 26 course units outlined include: (1) Hand and Power Tool Orientation, (2) Engines and Engine Systems, (3) Principles of Hydraulics, (4) Automatic Transmissions, (5) Batteries and Fundamentals of Electricity, (6) Welding Fundamentals, (7) Air Conditioning, (8) Industrial Air Compressors, (9) Industrial and Labor Relations, and (10) Shop Economics and Work Relationships. A bibliography, references, films, glossary of terms, suggested shop layout, and suggested list of equipment, tools, and training aids also are given. (AW)

Y1\_Q10\_379

Gattone, Felix

Air Conditioning and Heating Technology-II.

Rutgers, The State Univ., New Brunswick, N.J. Curriculum Lab.  
Somerset County Technical Inst., Somerville, N.J.

Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 (\$2.25).

PUB DATE - Nov65 346p.

\*TECHNICAL EDUCATION; OCCUPATIONAL INFORMATION; \*SUBPROFESSIONALS; \*HEATING; \*AIR CONDITIONING; \*TEXTBOOKS

Knowledge and techniques employed in the air conditioning and heating industry by technicians in the sales, application, laboratory, and service areas are presented. Intended for use in a one-semester course of for upgrading those already working in this area, emphasis is upon technical theory rather than single skills or specialized knowledge. The chapters, illustrated with numerous charts and diagrams, are: (1) Occupational Opportunities, (2) Development of the Industry, (3) Basic for Air Conditioning, (4) Psychometrics, (5) The Psychometric Chart, (6) Application of the Psychometric Chart, (7) Heat Transfer, (8) Factors Affecting Air-Conditioning Cooling Loads, (9) Cooling Load Calculations, (10) Selection of Equipment for Cooling, (11) Technical Principles of Air Flow, (12) Designing of Duct Distribution Systems, (13) Duct Sizing, (14) Mechanics of Duct Systems, (15) Duct Installation Design, (16) Cooling Towers, (17) Water Treatment, (18) Heating Load, (19) Calculating Heating Loads, (20) Selecting Heating and Humidifying Equipment, (21) Hydronic Heating and Cooling, (22) Heating Boilers and Furnaces, (23) Operation and Maintenance of Boilers and Furnaces, (24) Chimneys and Flue Draft, (25) Domestic and Commercial Oil Burners, (26) Basic Instrumentation, (27) Measure and Control Instrumentation, and (28) Application of Instrumentation to the Air Conditioning and Heating Technology. A series of questions follows each chapter. (JK)

VI\_030\_389

Scarito, Salvatore; O'Connell, John J.

The Internal Combustion Engine (Gasoline Engine).

Rutgers, The State Univ., New Brunswick, N.J. Curriculum Lab.

New Jersey State Dept. of Education Trenton. Div. of Vocational Education

Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 (\$1.50).

PUB DATE - Oct66 93p.

\*TRACE AND INDUSTRIAL EDUCATION; \*AUTO MECHANICS (OCCUPATION); \*AUTO MECHANICS; ENGINES; \*LABORATORY MANUALS; TEACHING GUIDES; TEACHING PROCEDURES; \*LESSON PLANS; REFERENCE MATERIALS

To furnish the student with an understanding of the operating principle, construction, and design of the gasoline internal combustion engine, 10 units of instruction were developed. The units, illustrated with diagrams and photographs, are: (1) Engine Fundamentals, seven lessons, (2) Valve Systems, five lessons, (3) Cylinder Heads, five lessons, (4) Engine Block, five lessons, (5) Pistons, Rings and Connecting Rods, three lessons, (6) Camshaft and Pushrods, two lessons, (7) Crankshaft and Bearings, three lessons, (8) Timing Chain, Gears and Flywheel, three lessons, (9) Lubricating Systems, three lessons, and (10) Cooling Systems, five lessons. Each lesson contains the lesson objective, equipment list, related information, procedure (when needed), and progress questions. Safety procedures and references are also included. (GM)

VI\_030\_390

Scarito, Salvatore; Foults, John J.

Basic Automotive Repair-I.

Rutgers, The State Univ., New Brunswick, N.J. Curriculum Lab.

New Jersey State Dept. of Education, Trenton. Div. of Vocational Education

Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 (\$2.00).

PUB DATE - Jan65 164p.

\*AUTO MECHANICS (OCCUPATION); \*TRACE AND INDUSTRIAL EDUCATION; \*TOOL VEHICLES; AUTO MECHANICS; SKILLED WORKERS; \*LABORATORY MANUALS; \*TEACHING GUIDES; TEACHING PROCEDURES; \*LESSON PLANS

Prepared by vocational education instructors, this guide will aid the teacher in preparing students for entry into automotive repair shops. The 10 units, each containing an introduction or information sheet and an achievement test, include: (1) Safety, 10 lessons, (2) Hand Tools, six lessons, (3) Front Wheel Assemblies, seven lessons, (4) Rear Axle Assemblies, five lessons, (5) Hydraulic Brake Systems, eight lessons, (6) Propeller or Drive Shaft, one lesson, (7) Transmission Removal, one







electrical apparatus, (2) to verify experimentally some of the basic concepts and relationships in electric circuits, and (3) to train the student in safe working habits. Following general occupational information and suggestions for safety practices, 44 job outlines are included under the following topics: (1) Care and Use of Tools and Equipment, (2) Types of Wire, (3) Soldering Tools, (4) Signal Wiring, (5) Appliance Grounding, (6) Electrical Symbols and Outlets, (7) Nonmetallic Sheathed Cable, (8) Service Entrance Calculations, (9) Service Entrance Equipment, and (10) Branch Circuit Overcurrent Protection. Each job outline gives objective, materials, introductory information, procedure, and conclusion. The sections are illustrated with photographs and diagrams. (GR)

**VI 010 511**

Polena, Bruce  
Drafting-I.

Passaic County Vocational and Technical High School, Paterson, N.J.  
Rutgers, The State Univ., New Brunswick, N.J. Curriculum Lab.

Vocational-Technical Curriculum Laboratory, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 (\$2.00).  
PUB DATE - Apr 65 215p.

\*TRADE AND INDUSTRIAL EDUCATION; \*DRAFTING; \*ORTHOGONAL PROJECTION; \*INDUSTRIAL ARTS; \*LABORATORY MANUALS; \*TEACHING GUIDES; \*TEACHING PROCEDURES; \*LESSON PLANS; \*TABLES (DATA) (DATA)

Instruction in the use of fundamental drafting tools and materials for the making of working drawings is provided in this text for freshman drafting. The 13 units are: (1) Introduction to Freshman Drafting, one information sheet and one lesson, (2) Line Conventions, one lesson, (3) Basic Drafting Tools, one information sheet and four lessons, (4) Lettering, one lesson, (5) Dimensioning, four lessons and two information sheets, (6) Orthographic Projection, one lesson, (7) Auxiliary Views, one lesson, (8) Geometric Constructions, nine lessons, (9) Pictorial Drawings, two lessons, (10) Sectional Views, one lesson, (11) Fastening Devices, one lesson, (12) Screw Threads, one lesson, and (13) Pattern Development, three lessons. Each lesson plan includes lesson objective, related information, and an assignment. Twenty-one standard reference tables are appended. Transparent overlays, developed specifically for this text are available from the source given for this document. (GR)

**VI 010 512**

A Study Guide for Occupational Work Experience Students, Second Semester.

Ohio State Dept. of Education, Columbus. Trade and Industrial Education Services

Ohio Trade and Industrial Education Service, Instructional Materials Laboratory, The Ohio State University, 1845 Neil Avenue, Columbus, Ohio 43210 (\$2.50).  
PUB DATE - Aug 69 125p.

\*STUDY GUIDES; \*SUPPLEMENTARY TEXTBOOKS; \*DISADVANTAGED YOUTH; \*SECONDARY GRADES; \*WORK EXPERIENCE PROGRAMS; \*OCCUPATIONAL INFORMATION; \*TRADE AND INDUSTRIAL EDUCATION

The 2-semester course, developed by teachers and teacher educators for disadvantaged Occupational Work Experience (O.W.E.) students and their teachers, includes general information, academic information, employment knowledge, financial knowledge, and an exposure to desirable social habits and personal characteristics. The contents of this second semester guide are: (1) Income Tax, (2) Government and You, (3) Social Security, (4) Workman's Compensation, (5) Personal Qualities, (6) Alcohol, (7) Insurance, (8) Narcotics, (9) Smoking, (10) Buying an Automobile, and (11) Juvenile Delinquency. The first semester guide is available as VI 010 513 (also in this issue). (GF)

**VI 010 513**

A Study Guide for Occupational Work Experience Students, First Semester.

Ohio State Dept. of Education, Columbus. Trade and Industrial Education Services

Ohio Trade and Industrial Education Service, Instructional Materials Laboratory, The Ohio State University, 1845 Neil Avenue, Columbus, Ohio 43210 (\$2.50).  
PUB DATE - Aug 69 103p.

\*TRADE AND INDUSTRIAL EDUCATION; \*STUDY GUIDES; \*SUPPLEMENTARY TEXTBOOKS; \*WORK EXPERIENCE PROGRAMS; \*DISADVANTAGED YOUTH; \*OCCUPATIONAL INFORMATION; \*SECONDARY GRADES

The 2-semester course, developed by teachers and teacher educators for disadvantaged Occupational Work Experience (O.W.E.) students, includes general information, academic information, employment knowledge, financial knowledge, and an exposure to desirable social habits and personal characteristics. The contents of this first semester study guide are: (1) Orientation to O.W.E. and Forms, (2) How to Apply and Get the Job, (3) Job Safety, (4) Personal Budgeting, (5) Why Stay in School? (6) How to Study, (7) What the Employer Wants, (8) Minor Labor Regulations, (9) Labor Unions, (10) Management and Labor Relations, and (11) Personal Hygiene and Personality. The second semester guide is available as VT 010 512 (also in this issue). (GR)

**VT 010 592**

Thomas, J.R., Ed.  
Cosmetology.

Alabama Univ., University. Dept. of Trade and Industrial Education

Trade and Industrial Education, State Department of Education, P.O. Box 2847,  
University, Alabama 35486 (\$1.50, answer book \$1.50).  
PUB DATE - Sep69 105p.

\*TRADE AND INDUSTRIAL EDUCATION; \*STUDY GUIDES; ANSWER KEYS; \*COSMETOLOGY; SERVICE OCCUPATIONS; ON THE JOB TRAINING; \*JCE SKILLS

Revised by a committee of trade and industrial education coordinators, this study guide is for students with an occupational interest in cosmetology. The first part of the guide contains a listing of 88 job skills with spaces for the student to check his job progress in on-the-job training, and to check his related study progress in completing reading assignments and in answering study questions related to the job skills. The remaining part of the guide contains study questions and suggested references for the 88 job skills. The skills are grouped according to these topics: (1) Professional Ethics, (2) Hygiene, Personality, and Good Grooming, (3) Bacteriology, Sterilization, and Sanitation, (4) Shampooing and Rinsing, (5) Scalp and Hair Treatments, (6) Manicuring, (7) Hair Dressing, (8) Permanent Waving, (9) Chemical Hair Relaxing, (10) Hair Coloring, (11) Superfluous Hair Removal, (12) Hair Pressing and Thermal Waving, (13) Hair Cutting, (14) Massage, (15) First Aid, (16) Anatomy and Physiology, (17) Electricity and Light Therapy, (18) Cosmetic Chemistry, and (19) Beauty Salon Management. A bibliography of references, films, and slides is included. An answer book, "Cosmetology," may be obtained from the source of availability indicated for this document. (SF)

**VT 010 607** ED C37 572

Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.

Portland Cement Association, Chicago, Ill.  
Office of Education (DHEW), Washington, D.C. Bureau of Research

PUB DATE - JCNov69 105p.

\*TECHNICAL REPORTS; \*CEMENT INDUSTRY; \*TEACHING GUIDES; CURRICULUM GUIDES; COURSE CONTENT; \*CURRICULUM DEVELOPMENT; \*TRADE AND INDUSTRIAL EDUCATION; VOCATIONAL EDUCATION; POST SECONDARY EDUCATION  
\*PORTLAND CEMENT ASSOCIATION

In this first phase, job descriptions and need for trained concrete technologists within the concrete-using industries were determined by survey. The project staff created curriculum materials which were reviewed by outside authorities and put into workable lesson plans by a group of educational consultants. The result was a six-volume set of instructional materials covering 496 student-contact hours or 21 credit hours which could be used to implement 2-year concrete technology courses in post-secondary schools throughout the nation. Pilot programs were established in six junior colleges in the U.S. and Canada to test course content. Recommendations were for continued testing and eventual finalizing of the curriculum in Phase II, the adaptation of the curriculum to other educational endeavors in Phase III, and the creation of recruiting materials. The curriculum materials are available as VT 010 139-VT 010 141 and VT 010 150-VT 010 152 (all in AIM Spring 1970). Outlines of these courses make up the bulk of this manuscript. (CD)

**VT 010 676** ED C37 576

Electronics Technician, Entry: A Suggested Guide for a Training Course.

Office of Education (DHEW), Washington, D.C. Bureau of Adult, Vocational, and Library Programs

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (PS5.287:87040, \$1.30).  
PUE DATE - 69 21p.

\*CURRICULUM GUIDES; \*ELECTRICAL OCCUPATIONS; \*COURSE CONTENT; CURRICULUM DEVELOPMENT; COURSE ORGANIZATION; INSTRUCTIONAL FILMS; REFERENCE BOOKS; \*TRADE AND INDUSTRIAL EDUCATION; ELECTRONIC EQUIPMENT

This training guide, prepared to assist administrators and instructors in organizing courses and developing course content in training electronics mechanics, contains 14 major course units covering 6 hours per day, 5 days per week for 50 weeks or 1,500 hours of shop and classroom instruction. The units included are: (1) Mathematics, (2) Direct Current Electricity, (3) Electronic Shop Tools, (4) Magnetism, (5) Communications, Writing, (6) Alternating Current Electricity, (7) Electronic Devices, (8) Power Supply, (9) Sketching and Blueprint Reading, (10) Amplifiers, (11) Oscillators, (12) Waveshaping, (13) Electronic Controls, and (14) Communications, Transmitters and Receivers. Lists of suggested machines, tools, equipment, supplies, textbooks, films, and a floor plan of the training facility are appended. (GR)

VI Q10 677 ED 038 515  
Building Custodian: A Suggested Guide for a Training Course.

Office of Education (DHEW), Washington, D.C. Bureau of Adult, Vocational, and Library Programs

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (PS5.287:87038, \$1.35).  
PUE DATE - 69 30p.

\*CURRICULUM GUIDES; \*CUSTODIAN TRAINING; GLOSSARIES; BIBLIOGRAPHIES; \*TEACHING GUIDES; \*OCCUPATIONAL INFORMATION

This training guide can be used to plan and develop a training course for persons who are interested in becoming building custodians. The outline was prepared by vocational education specialists for the Division of Manpower Development and Training and focuses on school custodians but can also be used for custodial services in public buildings, hospitals, colleges, stores, factories, and office buildings. An outline for 60 hours of instruction is divided into nine units, covering general housekeeping, sanitation, operation and maintenance of heating-ventilating systems, maintenance of buildings and grounds, human relations, management of supplies and equipment, safety, personnel, and security and protective measures. Information is included for the teacher on planning the lesson, training facility considerations, and criteria for evaluating trainee readiness for employment. A glossary, bibliography, sample work schedules and lesson plan, and a suggested list of equipment, tools, and supplies are appended. (BC)

VI Q10 769 ED 038 526  
Architectural and Building Construction Technology: A Suggested 2-Year Post High School Curriculum. Technical Education Program Series No. 9.

Office of Education (DHEW), Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (PS5.280:80062, \$1.50).  
PUE DATE - 69 117p.

\*ARCHITECTURAL EDUCATION; \*CONSTRUCTION PROGRAMS; \*CURRICULUM GUIDES; \*PROGRAM GUIDES; \*POST SECONDARY EDUCATION; DRAFTSMEN; SUBPROFESSIONALS; TECHNICAL EDUCATION; BIBLIOGRAPHIES; FACILITY GUIDELINES

This curriculum guide is for administrators and their advisors to use in meeting local, state, and regional needs in training architectural and building construction technicians at the post-high school level. It was developed by a technical education specialist at the national level. The guide provides: (1) a suggested curriculum plan, (2) course outlines with examples of texts and references, (3) a sequence of technical education procedures, (4) laboratory layouts with equipment costs, (5) a discussion of the library and its use, faculty and student services, and (6) a selected list of

scientific, trade, and technical societies concerned with the technology. The document is illustrated with line drawings and photographs. A bibliography is appended. (GR)

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GENERAL VOCATIONAL AND  
TECHNICAL EDUCATION  
SECTION

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Y1\_001\_455

Teacher's Guide for a Model Program on Introduction to Vocations.

New Jersey State Dept. of Education, Trenton. Div. of Vocational Education

PUB DATE - Aug65 142p.

\*STATE CURRICULUM GUIDES; \*VOCATIONAL EDUCATION; BUSINESS EDUCATION; TRADE AND INDUSTRIAL EDUCATION; \*EVECCATIONAL EDUCATION; OCCUPATIONAL HOME ECONOMICS; VOCATIONAL INTERESTS; \*CAREER PLANNING; SECONDARY GRADES; \*OCCUPATIONAL GUIDANCE

This pilot program, developed by the New Jersey Division of Vocational Education and tried in 14 school districts, is to assist teachers in guiding students in their choice of educational and vocational career objectives. The course, intended for students who are non-college bound and will terminate their formal education upon completion of high school, is designed to coordinate those areas of school (vocational guidance, industrial education, business education, and home economics) closely allied to the world of work. The major units are: (1) Introduction to the Course, (2) Understanding Yourself--Individual Characteristics, Interests, and Abilities as They Relate to Occupations, (3) The Economics of Industry, (4) Exploring Occupations (Mechanical, Science Laboratory, Home Economics and Office), and (5) Evaluating Your Experience and Planning Ahead. Included in each unit are concepts, objectives, suggested time allotment, class discussion topics and activities, learning experiences, and references. (SB)

Y1\_004\_660

Inventory of Training Possibilities in Europe.

Organisation for Economic Co-Operation and Development, Paris (France)

PUB DATE - Feb65 652p.

\*TRAINING; \*COURSES; \*COLLEGE PROGRAMS; \*COLLEGE CURRICULUM  
EUROPE; ORGANISATION FOR ECONOMIC COOPERATION AND DEVELOPMENT

Information to developing countries about educational opportunities and facilities available in the 17 European Member Countries of Organisation for Economic Co-Operation and Development is presented. The 1,662 courses included in the inventory are grouped under the following chapter headings: (1) agriculture, (2) industry and commerce, (3) transportation, (4) health and sanitation, (5) public administration, (6) community development, social welfare and housing, (7) education, (8) economic development, and (9) miscellaneous, including language problems. Training attachments shorter than two months or longer than two years have been omitted, as well as normal university courses, which can easily be referred to in university yearbooks. (RP)

Y1\_006\_762

Suggested Two and Four-Year Curricula in Manufacturing Engineering Technology.

American Society of Tool and Manufacturing Engineers, Dearborn, Mich.

American Society of Tool and Manufacturing Engineers, Publications Sales Department, 20501 Ford Road, Dearborn, Michigan 48128 (no charge).  
PUB DATE - Feb68 18p.

\*CURRICULUM GUIDES; \*ENGINEERING TECHNOLOGY; \*MANUFACTURING INDUSTRY; \*TECHNICAL EDUCATION; COURSE DESCRIPTIONS  
\*AMERICAN SOCIETY TOOL AND MANUFACTURING ENGINEERS; ASME

Designed as a guide to educators and as a means of attaining a high standard of excellence in manufacturing engineering technicians of the future, this curriculum guide includes outlines and course descriptions for: (1) a suggested 2-year curriculum in manufacturing engineering technology, (2) a suggested 4-year curriculum in manufacturing engineering technology, and (3) a suggested 4-year curriculum in manufacturing engineering. (GF)

Y1\_009\_659

Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.

Florida State Dept. of Education, Tallahassee. Technical and Health Occupations Education Section



PUB DATE - Nov67 16p.

\*CIVIL ENGINEERING; \*PROGRAM CONTENT; PROGRAM DESCRIPTIONS; \*PROGRAM EVALUATION;  
\*PROGRAM PLANNING; PROGRAM GUIDES; TECHNICAL EDUCATION

These guidelines should be of assistance to school superintendents, junior college deans, supervisors of technical education, school board members, faculty, and others interested in establishing or evaluating technical education programs to prepare technicians in civil engineering. The civil engineering program would be post-high school and open to high school graduates, preferably with a good background in and a liking for mathematics and science. In addition to giving the general steps to be considered by a director when planning for a new technology, guidelines are also given for the (1) advisory committee, (2) curriculum content, (3) physical facilities, (4) laboratory equipment, (5) faculty qualifications, and (6) program evaluation. (GR)

VI 009 899

A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.

Tulsa Public Schools, Tulsa. Dept. of Industrial Arts and Vocational-Technical Education

Tulsa Public Schools, P.O. Box 45208, Tulsa, Oklahoma 74145 (\$3.50).

PUB DATE - 69 128p.

\*CURRICULUM GUIDES; \*VOCATIONAL EDUCATION; \*TECHNICAL EDUCATION; \*ADMINISTRATOR GUIDES;  
GRADE 11; GRADE 12; TEACHER RESPONSIBILITY; BIBLIOGRAPHIES; RECORDS (FORMS); VOCATIONAL  
EDUCATION TEACHERS

One of a series developed by a committee of teachers, this revised curriculum guide is for use by teachers, administrators, and counselors when implementing vocational and technical education programs for grades 11 and 12. Major topics are: (1) Guide for Instructors of Vocational and Technical Education, (2) Vocational and Technical Education in the Tulsa Public Schools, (3) Secondary Vocational and Technical Education, (4) Postsecondary Vocational and Technical Education, (5) Implementing Instruction in Vocational and Technical Education, (6) Opening and Closing Procedures for the Instructors in Vocational and Technical Education, (7) The Instructor in Vocational and Technical Education, (8) Forms Used in Vocational and Technical Education, (9) Supplemental Materials for Vocational and Technical Education, and (10) Safety Instruction in Vocational and Technical Education. A list of defined terms and a bibliography are included. A related document, "A Tentative Guide for Implementing Industrial Arts Education," is available as VI 009 899 (also in this issue). (G)

VI 009 999 ED C37 535

A Guide for the Development of Curriculum in Vocational and Technical Education.

California Univ., Los Angeles. Div. of Vocational Education

Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education

PUB DATE - Jun69 39p.

\*VOCATIONAL EDUCATION; \*TECHNICAL EDUCATION; \*CURRICULUM DEVELOPMENT; \*GUIDELINES;  
BIBLIOGRAPHIES; \*CURRICULUM DESIGN; INSTRUCTIONAL MATERIALS

This guide was the product of a national conference and regional seminars, and is intended to help state and local administrators, curriculum specialists, supervisors, and teachers in establishing and operating programs of curriculum development for programs of vocational and technical education. The guidelines, representing broad approaches to the many problems of curriculum development, are to be used as a basis for reflective thinking. Included are: (1) Concepts and Assumptions, (2) Curriculum Development, Dissemination, and Coordination, (3) Standards for Curriculum Development, (4) Special Sources of Curriculum Materials, (5) Evaluation of Curriculum and Curriculum Materials, (6) Professional Development of Personnel in Curriculum Activities, and (7) National Implications. A bibliography, a list of governmental agencies with potential resources for vocational and technical education, and suggested steps in curriculum development, modification and improvement are appended. (GR)

VI 010 068 ED C38 496

Manual for Youth Coordinators.

President's Council on Youth Opportunity, Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(P136.8:Y8/YE/969, \$1.50).  
PUB DATE - Mar 69 176p.

\*COORDINATORS; \*COMMUNITY COORDINATORS; ADMINISTRATIVE PERSONNEL; \*YOUTH PROGRAMS;  
COMMUNITY PROGRAMS; COMMUNITY RECREATION PROGRAMS; \*YOUTH EMPLOYMENT; \*YOUTH  
OPPORTUNITIES; MANUALS

This manual was designed primarily for use by coordinators responsible for developing comprehensive community youth opportunity programs of employment, education, and recreation, but the material may also be of assistance to community and business leaders, educators, and others involved in expanding local opportunities for young people. Contents consist of five sections, covering (1) Planning, (2) Employment, (3) Education, (4) Recreation, and (5) Transportation, with each section providing information on the role of the coordinator within that facet of the program, funding and resources, reference materials, and program examples. Listings of various contacts helpful to youth coordinators are appended, including: (1) voluntary organizations, (2) local contacts and labor unions, (3) regional contacts in the Department of Health, Education and Welfare, (4) recreation and parks consultants, (5) Bureau of Outdoor Recreation state liaison offices, (6) National Forest camps, (7) 4-H youth camps, (8) state distributing agencies of the consumer food program, and (9) State Councils on the Arts. (AW)

#### Y1 Q1C 288

Orientation and Craft Skill Training. Personnel Handbook, Series P-23.

Post Office Dept., Washington, D.C.

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402  
(P1.31/5:23/2, \$1.75).  
PUB DATE - Jul 69 179p.

\*PROGRAM GUIDES; \*TEACHING GUIDES; \*STUDY GUIDES; \*ORIENTATION; SERVICE OCCUPATIONS  
\*POSTAL EMPLOYEE TRAINING

Prepared by the Post Office Department, this handbook is for use in training programs for new postal employees. The manual is divided into three chapters: (1) "Standardized Orientation and Craft Skill Training System," providing such general information as description of the system, background, scope, objectives, supporting materials, policies, responsibilities, instructors and instructor training, and records and reports, (2) "General Orientation," which includes the "General Orientation Handbook for New Employees," general orientation requirements, instructor's guide for general orientation of new employees, and a film script illustrating the vital nature and responsibilities of postal employees, and (3) "Craft Orientation and Skill Training," presenting training plans for the specific postal crafts of city letter carrier, clerk, mailhandler, special delivery messenger, vehicle, rural letter carrier, and buildings and maintenance. The manual is illustrated with numerous photographs and drawings. (AW)

#### Y1 Q1C 569

Curriculum Collection, Vocational-Technical Education.

Oklahoma State Dept. of Vocational-Technical Education, Stillwater. Teaching Materials Center

PUB DATE - 68 123c.

\*BIBLIOGRAPHIES; \*AUDIOVISUAL AIDS; \*LITERARY MATERIALS; \*STATE DEPARTMENTS OF  
EDUCATION; \*VOCATIONAL EDUCATION; TECHNICAL EDUCATION; INSTRUCTIONAL MATERIALS;  
REFERENCE MATERIALS  
OKLAHOMA

Books and other reference and instructional materials in the State Teaching Materials Library are listed under the major categories of: (1) the service areas of agriculture, distribution, health occupations, home economics, business and office, technical, and trade and industrial education, (2) administration-supervision, (3) adult education, (4) buildings, facilities, and equipment, (5) curriculum development, (6) research, conference reports, etc., (7) student personnel, (8) occupational information, (9) youth organizations, (10) vocational education history and philosophy, (11) audio-visual materials, and (12) reference material lists. (JX)

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## INDEXES

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## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
ACCIDENT PREVENTION		VT 002 386	467
VT C09 942 ED 035 733	521	Farm Arc Welding, Advanced; A Guide for Course Planning.	
An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.		VT 010 426	473
VT 010 041	530	Building Farm Fences.	
Organizing and Teaching Accident Prevention Subjects.		VT 010 506 ED 038 506	474
		A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	
ADMINISTRATOR GUIDES		ADULT VOCATIONAL EDUCATION	
VT C02 592	490	VT 002 013	524
Health Occupations Planning Guide, Medical Assistant.		Manual for the Instruction of School Bus Drivers of the State of New York.	
VT 002 597	490	VT 010 016	528
Health Occupations Planning Guide: Ward Secretary, Course No. 783.1.		Highway Design and Estimating.	
VT C09 894	549	VT 010 566	514
A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.		A Plan of Action for Adult Education.	
VT C09 899	521	AGRICULTURAL EDUCATION	
A Tentative Guide for Implementing Industrial Arts Education. Curriculum Guide 1.		VT 001 432	467
VT 010 511	492	Demonstrations in Ornamental Horticulture and Plant Science.	
An Instruction Guide for Teachers of Health Assistants.		VT 002 386	467
		Farm Arc Welding, Advanced; A Guide for Course Planning.	
ADULT EDUCATION		VT 007 878 ED 028 262	468
VT 010 558 ED 037 566	482	Forest Technology; A Suggested 2-Year Post High School Curriculum.	
Instructional Materials for Adult Business and Distributive Education.		VT 009 714	470
		A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	
ADULT EDUCATION PROGRAMS		VT 010 167	472
VT 010 102	532	Common Forest Trees of North Carolina; How to Know Them.	
Electricity for Electronics.		VT 010 231	472
VT 010 103	532	Suggestions for Integrating Forestry in the Modern Curriculum; A Conservation Teaching Aid.	
Vacuum Tubes.		VT 010 505 ED 038 507	474
VT 010 104	532	A Description and Source Listing of Curriculum Materials in Agricultural Education, 1969-1970.	
Basic Amplifiers.		AGRICULTURAL ENGINEERING	
VT 010 115	533	VT 002 386	467
Power Supplies.		Farm Arc Welding, Advanced; A Guide for Course Planning.	
VT 010 106	533	VT 009 716	471
Basic Transistor Circuits and Applications.		Agricultural Machinery Service.	
VT 010 107	533	VT 010 016	528
Advanced Transistor Circuits and Applications.		Soils and Drainage.	
VT 010 108	534	VT 010 249	473
Audio Amplifying Systems.		Arc Welding in Vocational Agriculture.	
VT 010 120	534	VT 010 250	473
Essentials of Transistors and Semiconductors.		Gasoline Engines in Vocational Agriculture.	
VT 010 121	535	VT 010 252	473
Oscillators.		Woodworking in Vocational Agriculture.	
VT 010 122	535	VT 010 691	476
Radio Frequency Amplifiers.		Tractor, Diesel, and Farm Machinery Mechanics.	
VT 010 123	535		
Measuring Instruments.			
ADULT FARMER EDUCATION			
VT 000 544	466		
A Program of Farm Management Education for Family Farm Operators.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
AGRICULTURAL MACHINERY		AMPLIFIERS	
VT 009 716	471	VT 010 104	532
Agricultural Machinery Service.		Basic Amplifiers.	
AGRICULTURAL MACHINERY OCCUPATIONS		ANNOTATED BIBLIOGRAPHIES	
VT 009 716	471	VT 010 077	487
Agricultural Machinery Service.		Programed Instruction: Distributive and Office Education.	
AGRICULTURAL OCCUPATIONS		VT 010 364 ED 037 560	512
VT 009 714	470	Consumer Education Bibliography.	
A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.		VT 010 509 ED 038 507	474
VT 009 773	471	A Description and Source Listing of Curriculum Materials in Agricultural Education, 1969-1970.	
Agricultural Science and Mechanics I and II.		VT 010 558 ED 037 566	482
AGRICULTURAL PRODUCTION		Instructional Materials for Adult Business and Distributive Education.	
VT 009 715	470	ANNUAL REPORTS	
Agricultural Production.		VT 009 991	486
VT 010 599	475	Index of Super Market Articles 1968.	
A Suggested Training Guide for Rice Production in Louisiana.		APPRENTICESHIPS	
VT 010 715	476	VT 009 875	526
Law for the Farmer.		Bell and Spigot Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry.	
VT 010 725	476	VT 010 155	536
Planning Your Farm Business.		Training Programme for First Year Motor Vehicle Craft Apprentices.	
VT 010 729	477	VT 010 214	537
Determining Available Potassium in Soils.		Training Recommendations: Plumbing Technician.	
VT 010 730	477	VT 010 220	537
Appraising Farm Buildings.		Training Recommendations: Heating and Ventilating Technicians.	
AGRICULTURAL SUPPLIES		VT 010 221	538
VT 000 280	465	Training Recommendations: Heating and Ventilating Apprentices.	
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		VT 010 222	538
VT 009 712	469	Training Recommendations: Apprentice Painters.	
Agricultural Business.		VT 010 224	538
AGRICULTURAL SUPPLY OCCUPATIONS		Training Recommendations: Electrical Installation Apprentices.	
VT 009 712	469	VT 010 225	539
Agricultural Business.		Training of General Foremen: Interim Recommendations.	
VT 010 727	477	VT 010 226	539
Salesmanship in Agricultural Business.		Training Recommendations: Apprentice Carpenter and Joiner.	
AGRICULTURAL TECHNICIANS		VT 010 227	539
VT 007 878 FD 028 268	468	Training Recommendations: Building Technicians.	
Forest Technology: A Suggested 2-Year Post High School Curriculum.		VT 010 234	539
AIR CONDITIONING		Training Recommendations: Apprentice Plasterer.	
VT 010 043	530	VT 010 236	540
Refrigeration and Air Conditioning: Suggested Basic Course Outline.		Training Recommendations: Apprentice Floor and Wall Tiler.	
VT 010 379	540		
Air Conditioning and Heating Technology-II.			
AMERICAN SOCIETY TOOL AND MANUFACTURING ENGINEERS			
VT 008 762	548		
Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
ARCHITECTURAL EDUCATION		BASIC ELECTRICITY FOR ELECTRONICS	
VT 010 769 ED 038 528	545	VT 010 102	532
Architectural and Building Construction Technology: A Suggested 2-Year Post High School Curriculum.		Electricity for Electronics.	
ARTS AND CRAFTS		BIBLIOGRAPHIES	
VT 009 704	520	VT 009 665	469
Arts and Crafts for K to 6.		Selected Reference Books for Departments of Vocational Agriculture.	
AUDIO AMPLIFYING SYSTEMS		VT 009 666	469
VT 010 108	534	Selected Bulletins for Departments of Vocational Agriculture.	
Audio Amplifying Systems.		VT 009 970	509
AUDIO EQUIPMENT		Michigan Bibliography of Resource Materials for Training in Home Economics Related Occupations.	
VT 010 208	481	VT 010 564	550
Audio Aids for Business Education, 1970.		Curriculum Collection, Vocational-Technical Education.	
AUDIOVISUAL AIDS		BIDS	
VT 010 040	529	VT 010 469	542
The Use of Instructional Aids.		Basic Estimating for Masons.	
VT 010 244	512	BRICKLAYERS	
Follow These Suggestions for Better Bulletin Boards.		VT 010 469	542
VT 010 558 ED 037 566	482	Basic Estimating for Masons.	
Instructional Materials for Adult Business and Distributive Education.		BUILDING TRADES	
VT 010 564	550	VT 009 848	526
Curriculum Collection, Vocational-Technical Education.		Carpentry and Building Construction.	
AUTO BODY REPAIRMEN		VT 010 214	537
VT 010 030	529	Training Recommendations: Plumbing Technician.	
Auto Body Repair and Painting; Suggested Basic Course Outline.		VT 010 220	537
AUTO MECHANICS		Training Recommendations: Heating and Ventilating Technicians.	
VT 010 155	536	VT 010 221	538
Training Programme for First Year Motor Vehicle Craft Apprentices.		Training Recommendations: Heating and Ventilating Apprentices.	
VT 010 389	541	VT 010 222	538
The Internal Combustion Engine (Gasline Engine).		Training Recommendations: Apprentice Painters.	
AUTO MECHANICS (OCCUPATION)		VT 010 224	538
VT 010 070	531	Training Recommendations: Electrical Installation Apprentices.	
Escalated Course of Study for Automobile Mechanics, Teacher's Guide.		VT 010 225	539
VT 010 155	536	Training of General Foremen: Interim Recommendations.	
Training Programme for First Year Motor Vehicle Craft Apprentices.		VT 010 226	539
VT 010 390	541	Training Recommendations: Apprentice Carpenter and Joiner.	
Basic Automotive Repair-I.		VT 010 227	539
AUTO MECHANICS (OCCUPATION)		Training Recommendations: Building Technicians.	
VT 010 389	541	VT 010 234	539
The Internal Combustion Engine (Gasline Engine).		Training Recommendations: Apprentice Plasterer.	
BANKING		VT 010 236	540
VT 010 069	467	Training Recommendations: Apprentice Floor and Wall Tiler.	
Money Management and Banks.		BUILDINGS	
		VT 010 429	542
		Maintenance Man, Building: A Suggested Guide for a Training Course.	



## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
BULLETIN BOARDS		CEMENT INDUSTRY	
VI 010 244	512	VT 010 607 ED 037 572	544
Follow These Suggestions for Better Bulletin Boards.		Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.	
BULLETINS		CHILD CARE	
VI 009 666	469	VT 010 442	513
Selected Bulletins for Departments of Vocational Agriculture.		Home Economics Occupational Education. Child Care Services Training Guide.	
BUSINESS ADMINISTRATION		CHILD CARE OCCUPATIONS	
VI 010 207	481	VT 007 962 ED 029 960	504
Handbook for Teachers of Business Management.		A Research Basis for Child Care Curriculum Development.	
BUSINESS EDUCATION		VT 009 963 ED 037 532	508
VI 009 952	486	Child Care Aide.	
Business Locations (Transparency Masters).		VT 010 442	513
VI 010 077	487	Home Economics Occupational Education. Child Care Services Training Guide.	
Programed Instruction: Distributive and Office Education.		CHILD CARE WORKERS	
VI 010 207	481	VT 000 892	502
Handbook for Teachers of Business Management.		A Sample Wage Earning Training Program for Child Day Care Aide.	
VI 010 208	481	VT 009 963 ED 037 532	508
Audio Aids for Business Education, 1970.		Child Care Aide.	
VI 010 558 ED 037 566	482	CIVIL ENGINEERING	
Instructional Materials for Adult Business and Distributive Education.		VT 009 659	548
VI 010 600	482	Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.	
Business Education Curriculum Guide.		VT 010 016	528
BUSINESS SUBJECTS		Highway Design and Estimating.	
VI 010 600	482	CLERICAL OCCUPATIONS	
Business Education Curriculum Guide.		VT 001 315	480
CAREURETION		Clerical Practice for High Schools.	
VI 010 540	475	CLOTHING	
Individual Study Guide on Carburator.		VT 009 943	506
CAREER PLANNING		Clothing Repairs.	
VI 001 455	548	VT 010 052	510
Teacher's Guide for a Model Program on Introduction to Vocations.		Silhouettes of Fashion.	
CARPENTERS		CLOTHING CARE	
VT 009 848	526	VT 010 127	512
Carpentry and Building Construction.		On Your Way...To Brighter Wash Days.	
CATALOGS		CLOTHING INSTRUCTION	
VI 009 991	486	VT 000 447	500
Index of Super Market Articles 1968.		Home Economics, Senior High School--Clothing.	
CATTLE		VT 009 943	506
VI 000 367	465	Clothing Repairs.	
Beef Cattle Production, Sales and Service.		VT 010 050	509
VI 000 368	466	Reading Script, Study Guide, and Printed Originals for Young Underfashions.	
Beef Cattle Production, Sales and Service.		VT 010 052	510
		Silhouettes of Fashion.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 404	513	VT 010 064	51
Pattern Alteration: A Guide for Leaders in Clothing Programs.		Fashions in Dining.	
CLOTHING MAINTENANCE SPECIALISTS		VT 010 127	51
VT 009 962 ED 037 531	508	On Your Way...To Brighter Wash Days.	
Clothing Assistant.		VT 010 364 ED 037 560	51
COLLEGE CURRICULUM		Consumer Education Bibliography.	51
VT 004 680	548	VT 010 569	51
Inventory of Training Possibilities in Europe.		Consumer Education; The Management of Personal and Family Financial Resources.	
COLLEGE PROGRAMS		VT 010 575	51
VT 004 680	548	Frontiers and Fundamentals; A Short Course in Appliance Homemaking.	
Inventory of Training Possibilities in Europe.		COOKS	
COLOR		VT 000 893	50
VT 010 126	511	A Sample Wage Earning Training Program for Short Order Cook.	
Color in Home Furnishings.		VT 010 568	51
COLOR PLANNING		Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.	
VT 010 126	511	COOPERATIVE EDUCATION	
Color in Home Furnishings.		VT 009 959 ED 037 528	507
COMMUNITY COORDINATORS		Home Economics Cooperative Education.	
VT 010 068 ED 038 496	549	VT 010 266	481
Manual for Youth Coordinators.		Office Practices.	
CONFERENCE REPORTS		VT 010 691	476
VT 010 575	515	Tractor, Diesel, and Farm Machinery Mechanics.	
Frontiers and Fundamentals; A Short Course in Appliance Homemaking.		COORDINATORS	
CONSERVATION EDUCATION		VT 010 068 ED 038 496	549
VT 010 231	472	Manual for Youth Coordinators.	
Suggestions for Integrating Forestry in the Modern Curriculum; A Conservation Teaching Aid.		COSMETOLOGY	
VT 010 488	474	VT 010 592	544
Course of Study for Agricultural Conservation Education.		Cosmetology.	
CONSTRUCTION (PROCESS)		COURSE CONTENT	
VT 009 848	526	VT 010 676 ED 037 578	544
Carpentry and Building Construction.		Electronics Mechanic, Entry; A Suggested Guide for a Training Course.	
CONSTRUCTION PROGRAMS		COURSE DESCRIPTIONS	
VT 010 769 ED 038 528	545	VT 010 070	531
Architectural and Building Construction Technology: A Suggested 2-Year Post High School Curriculum.		Escalated Course of Study for Automobile Mechanics, Teacher's Guide.	
CONSUMER EDUCATION		COURSE ORGANIZATION	
VT 001 646	502	VT 010 010	527
Teaching Family Finance.		Course Organization and Planning.	
VT 008 371	505	COURSES	
Family Finance and Consumer Education for Secondary Schools and Adult Education.		VT 004 680	548
VT 010 052	510	Inventory of Training Possibilities in Europe.	
Silhouettes of Fashion.		CURRICULUM DESIGN	
VT 010 053	510	VT 009 994 ED 037 535	549
A Guide to the Catalog and Other Community Resources for Consumer Education Classes.		A Guide for the Development of Curriculum in Vocational and Technical Education.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
CURRICULUM DEVELOPMENT		VT 000 446	500
VT 007 962 ED C29 960	504	Home Economics, Senior High School--Food.	
A Research Basis for Child Care Curriculum Development.		VT 000 447	500
VT 009 994 ED 037 535	549	Home Economics, Senior High School--Clothing.	
A Guide for the Development of Curriculum in Vocational and Technical Education.		VT 001 087	480
VT 010 607 ED 037 572	544	Syllabus and Teaching Suggestions for a Course in Secretarial Practice.	
Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.		VT 001 315	480
CURRICULUM GUIDES		Clerical Practice for High Schools.	
VT 000 049	484	VT 001 646	502
Principles of Management.		Teaching Family Finance.	
VT 000 089	496	VT 001 896	503
Home and Family Life Education for Secondary Schools and Adults; Curriculum Guide.		Curriculum Plan for a Course in Family Living.	
VT 000 094	496	VT 001 999	524
Vocational Home Economics Cooperative Training Programs in Food Service for High Schools.		Advanced Training Course for School Bus Drivers.	
VT 000 098	496	VT 002 013	524
Study Guide for Home Economics, Grade Eight.		Manual for the Instruction of School Bus Drivers of the State of New York.	
VT 000 110	497	VT 002 386	467
Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.		Farm Arc Welding, Advanced; A Guide for Course Planning.	
VT 000 120	497	VT 002 455 ED 019 448	503
Home Economics Course Outline, 9th, 10th, 11th, and 12th Grade.		Long Beach City College Content Outlines for Courses in Home Economics-Related Occupations.	
VT 000 275	464	VT 002 598	490
A Training Program for Vocational Agriculture in Agricultural Service.		Trade Preparatory Training Curriculum Guide: Nurses Assistant 2.	
VT 000 277	464	VT 007 864	519
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		Industrial Arts Graphic Communications 10, 20, 30.	
VT 000 279	464	VT 008 200	504
A Training Program for Vocational Agriculture in Farm Service.		Your Guide for Teaching Money Management.	
VT 000 280	465	VT 008 371	505
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		Family Finance and Consumer Education for Secondary Schools and Adult Education.	
VT 000 281	465	VT 008 762	548
A Training Program for Vocational Agriculture in Ornamental Horticulture.		Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.	
VT 000 339	498	VT 009 165 ED 033 205	525
Home Economics Guide, Seventh and Eighth Grade.		Training Police for Work with Juveniles.	
VT 000 368	466	VT 009 525	506
Beef Cattle Production, Sales and Service.		Instructional Guide for Human Sexuality.	
VT 000 386	498	VT 009 704	520
Learning Experiences for the Seventh and Eighth Grade Home-Living Program.		Arts and Crafts for K to 6.	
VT 000 445	499	VT 009 706	520
Home Economics; Senior High School--Home Planning.		Metalworking; Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.	
		VT 009 852	485
		Fashion Merchandising.	
		VT 009 894	549
		A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.	

## SUBJECT AND IDENTIFIERS INDEX

	PAGE		PAGE
VT 009 899	521	VT 010 568	514
A Tentative Guide for Implementing Industrial Arts Education. Curriculum Guide 1.		Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.	
VT 009 941	485	VT 010 569	514
Distributive Education II; Suggested Teaching Calendar.		Consumer Education; The Management of Personal and Family Financial Resources.	
VT 009 958 ED 037 527	506	VT 010 600	482
Dietitian Aide.		Business Education Curriculum Guide.	
VT 009 960 ED 037 529	507	VT 010 676 ED 037 578	544
Housekeeping Management Assistant.		Electronics Mechanic, Entry; A Suggested Guide for a Training Course.	
VT 009 961 ED 037 530	508	VT 010 677 ED 038 515	545
Food Service Employee.		Building Custodian; A Suggested Guide for a Training Course.	
VT 009 962 ED 037 531	508	VT 010 689	476
Clothing Assistant.		A Training Program for Vocational Agriculture in Dairy Production.	
VT 009 963 ED 037 532	508	VT 010 769 ED 038 528	545
Child Care Aide.		Architectural and Building Construction Technology: A Suggested 2-Year Post High School Curriculum.	
VT 009 964 ED 037 533	509		
Home Furnishings Aide.		CURRICULUM PLANNING	
VT 009 965	480	VT 009 704	520
Key punch Machine Operation; A Suggested Adult Course Outline.		Arts and Crafts for K to 6.	
VT 009 969	526	VT 010 207	481
Basic Electricity. Direct Current Generators, Motors, and Controllers.		Handbook for Teachers of Business Management.	
VT 010 030	529		
Auto Body Repair and Painting; Suggested Basic Course Outline.		CURRICULUM RESEARCH	
VT 010 043	530	VT 007 962 ED 029 960	504
Refrigeration and Air Conditioning; Suggested Basic Course Outline.		A Research Basis for Child Care Curriculum Development.	
VT 010 063	530		
Diesel Servicing.		CUSTODIAN TRAINING	
VT 010 069	487	VT 010 677 ED 038 515	545
Money Management and Banks.		Building Custodian; A Suggested Guide for a Training Course.	
VT 010 074	492		
Curriculum Guides for Re-Training in Medical Technology.		DAIRYMEN	
VT 010 090	531	VT 010 689	476
Metal Trades; Suggested Basic Course Outline.		A Training Program for Vocational Agriculture in Dairy Production.	
VT 010 155	536		
Training Programme for First Year Motor Vehicle Craft Apprentices.		DATA PROCESSING OCCUPATIONS	
VT 010 162 ED 035 755	536	VT 009 965	480
Waiter-Waitress; A Suggested Guide for a Training Course.		Key punch Machine Operation; A Suggested Adult Course Outline.	
VT 010 207	481		
Handbook for Teachers of Business Management.		DELINQUENCY	
VT 010 227	539	VT 009 166 ED 033 205	525
Training Recommendations: Building Technicians.		Training Police for Work with Juveniles.	
VT 010 231	472		
Suggestions for Integrating Forestry in the Modern Curriculum; A Conservation Teaching Aid.		DEMONSTRATIONS (EDUCATIONAL)	
VT 010 429	542	VT 001 432	467
Maintenance Man, Building; A Suggested Guide for a Training Course.		Demonstrations in Ornamental Horticulture and Plant Science.	
VT 010 506 ED 038 506	474		
A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.		DENTAL ASSISTANTS	
VT 010 511	492	VT 010 687	493
An Instruction Guide for Teachers of Health Assistants.		Dental Assistant.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
DIESEL ENGINES		DRIVER EDUCATION	
VT 010 063	530	VT 002 013	524
Diesel Servicing.		Manual for the Instruction of	
		School Bus Drivers of the State of	
		New York.	
DIETETICS		DRY CLEANING AND LAUNDRY AIDE	
VT 009 958	506	VT 000 889	501
ED 037 527		A Sample Wage Earning Training	
Dietitian Aide.		Program for Dry Cleaning and	
		Laundry Aide.	
DISADVANTAGED YOUTH		EDUCATIONAL NEEDS	
VT 010 512	543	VT 004 150	524
A Study Guide for Occupational Work		Electromechanical Technology.	
Experience Students, Second			
Semester.			
VT 010 513	543	ELECTRICAL APPLIANCES	
A Study Guide for Occupational Work		VT 010 575	515
Experience Students, First		Frontiers and Fundamentals; A Short	
Semester.		Course in Appliance Homemaking.	
		VT 010 575	515
		Frontiers and Fundamentals; A Short	
		Course in Appliance Homemaking.	
DISTRIBUTIVE EDUCATION		ELECTRICAL OCCUPATIONS	
VT 000 135	484	VT 010 676	544
Arithmetic for Distribution.		ED 037 578	
VT 008 445	484	Electronics Mechanic, Entry; A	
Distributive Education Handbook.		Suggested Guide for a Training	
VT 009 852	485	Course.	
Fashion Merchandising.			
VT 009 879	485	ELFCTRICITY	
Orientation to and Planning for the		VT 009 969	526
Supervised Occupational Experience		Basic Electricity. Direct Current	
Program (Transparency Masters).		Generators, Motors, and	
VT 009 941	485	Controllers.	
Distributive Education II;		VT 010 276	522
Suggested Teaching Calendar.		Basic Electricity, Theory and	
VT 009 952	486	Practice.	
Business Locations (Transparency		VT 010 474	542
Masters).		Projects in Electricity-I.	
VT 009 953	486		
Wholesaling (Transparency Masters).		ELECTRONIC TECHNICIANS	
VT 010 069	487	VT 010 102	532
Money Management and Banks.		Electricity for Electronics.	
VT 010 077	487	VT 010 103	532
Programed Instruction: Distributive		Vacuum Tubes.	
and Office Education.		VT 010 104	532
VT 010 198	487	Basic Amplifiers.	
Training Food Service Personnel for		VT 010 105	533
the Hospitality Industry.		Power Supplies.	
VT 010 242	488	VT 010 106	533
Mid-Management Teaching Innovations		Basic Transistor Circuits and	
and Projects.		Applications.	
VT 010 254	488	VT 010 107	533
Distributive Education Teaching		Advanced Transistor Circuits and	
Innovations and Projects.		Applications.	
VT 010 558	482	VT 010 108	534
Instructional Materials for Adult		Audic Amplifying Systems.	
Business and Distributive		VT 010 120	534
Education.		Essentials of Transistors and	
		Semiconductors.	
DRAFTING		VT 010 121	535
VT 009 658	520	Oscillators.	
Guidelines for Establishing and		VT 010 122	535
Evaluating Drafting and Design		Radio Frequency Amplifiers.	
Technology Programs.		VT 010 123	535
VT 009 997	527	Measuring Instruments.	
Highway Drawing.			
VT 010 477	543		
Drafting-I.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
EMERGENCY SQUAD PERSONNEL		FAMILY LIFE EDUCATION	
VT 010 553	492	VT 001 896	503
Emergency Care of the Sick and Injured.		Curriculum Plan for a Course in Family Living.	
ENGINEERING TECHNICIANS		VT 010 289	512
VT 009 997	527	A Date with Your Future; Money Management for the Young Adult.	
Highway Drawing.			
VT 010 018	528	FAMILY MANAGEMENT	
Soils and Drainage.		VT 008 371	505
ENGINEERING TECHNOLOGY		Family Finance and Consumer Education for Secondary Schools and Adult Education.	
VT 008 762	548		
Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.		FARM ACCOUNTS	
ENGINES		VT 000 544	466
VT 010 250	473	A Program of Farm Management Education for Family Farm Operators.	
Gasoline Engines in Vocational Agriculture.		VT 010 506	474
ENTRY WORKERS		ED 038 506	
VT 010 511	492	A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	
An Instruction Guide for Teachers of Health Assistants.		FARM MANAGEMENT	
EPISCOPAL TEACHING		VT 000 544	466
VT 010 186	536	A Program of Farm Management Education for Family Farm Operators.	
Practice Teaching.		VT 010 506	474
EQUIPMENT		ED 038 506	
VT 000 280	465	A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		VT 010 725	476
EQUIPMENT MAINTENANCE		Planning Your Farm Business.	
VT 010 326	540	FARM OCCUPATIONS	
ED 038 503		VT 010 512	475
Heavy Construction Equipment Mechanic; A Suggested Guide for a Training Course.		A Suggested Training Guide for Rice Production in Louisiana.	
ESTIMATED COSTS		FARM STRUCTURES	
VT 010 469	542	VT 010 426	473
Basic Estimating for Masons.		Building Farm Fences.	
EVALUATION		VT 010 730	477
VT 010 665	515	Appraising Farm Buildings.	
An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.		FARMERS	
EXTENSION EDUCATION		VT 000 544	466
VT 010 011	527	A Program of Farm Management Education for Family Farm Operators.	
Introduction to Teaching Vocational Industrial Subjects.		VT 009 715	470
VT 010 039	529	Agricultural Production.	
Organization and Management of Vocational Industrial Education.		VT 010 599	475
FAMILY HEALTH		A Suggested Training Guide for Rice Production in Louisiana.	
VT 010 667	515	FASHION	
Home Nursing and Family Health: A Guide for Teachers.		VT 009 852	485
		Fashion Merchandising.	
		VT 010 052	510
		Silhouettes of Fashion.	
		FENCES	
		VT 010 426	473
		Building Farm Fences.	



## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
FIELD CROPS		VT 000 893	502
VT 000 277	464	A Sample Wage Earning Training Program for Short Order Cook.	
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		VT 010 162 ED 035 755	536
		Waiter-Waitress; A Suggested Guide for a Training Course.	
FIELD EXPERIENCE PROGRAMS		VT 010 669	516
VT 009 879	485	Food Service: A Guide for Teachers.	
Orientation to and Planning for the Supervised Occupational Experience Program (Transparency Masters).			
FILMSTRIPS		FOOD SERVICE WORKERS	
VT 009 332	505	VT 002 455 ED 019 448	503
You, the Waitress.		Long Beach City College Content Outlines for Courses in Home Economics-Related Occupations.	
FINANCE OCCUPATIONS		VT 009 332	505
VT 010 069	487	You, the Waitress.	
Money Management and Banks.		VT 009 958 ED 037 527	506
FIRE FIGHTERS		Dietitian Aide.	
VT 010 193	537	VT 009 961 ED 037 530	508
Fire Department Pump Operation; Instructor's Guide.		Food Service Employee.	
FIRE SCIENCE EDUCATION		FOOD STORES	
VT 010 193	537	VT 009 991	486
Fire Department Pump Operation; Instructor's Guide.		Index of Super Market Articles 1968.	
FLUID POWER		FOODS INSTRUCTION	
VT 007 384	518	VT 000 446	500
Fluid Power in Plant and Field. Volume 1.		Home Economics, Senior High School--Foods.	
VT 007 439	518	FOREIGN COUNTRIES	
Industrial Fluid Power. Volume 1.		VT 010 214	537
VT 007 440	519	Training Recommendations: Plumbing Technician.	
Industrial Fluid Power. Volume 2.		VT 010 220	537
VT 007 441	519	Training Recommendations: Heating and Ventilating Technicians.	
Industrial Fluid Power. Volume 3.		VT 010 221	538
FLUID POWER EDUCATION		Training Recommendations: Heating and Ventilating Apprentices.	
VT 007 384	518	VT 010 222	538
Fluid Power in Plant and Field. Volume 1.		Training Recommendations: Apprentice Painters.	
FOOD SERVICE		VT 010 224	538
VT 009 961 ED 037 530	508	Training Recommendations: Electrical Installation Apprentices.	
Food Service Employee.		VT 010 225	539
FOOD SERVICE INDUSTRY		Training of General Foremen: Interim Recommendations.	
VT 009 991	486	VT 010 226	539
Index of Super Market Articles 1968.		Training Recommendations: Apprentice Carpenter and Joiner.	
VT 010 162 ED 035 755	536	VT 010 227	539
Waiter-Waitress; A Suggested Guide for a Training Course.		Training Recommendations: Building Technicians.	
VT 010 198	487	VT 010 234	539
Training Food Service Personnel for the Hospitality Industry.		Training Recommendations: Apprentice Plasterer.	
FOOD SERVICE OCCUPATIONS		VT 010 236	540
VT 000 094	496	Training Recommendations: Apprentice Floor and Wall Tiler.	
Vocational Home Economics Cooperative Training Programs in Food Service for High Schools.		FORESTRY	
VT 000 888	501	VT 000 277	464
A Sample Wage Earning Training Program for Waitress Training.		A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 007 878 ED 028 268	468	VT 010 687	491
Forest Technology; A Suggested		Dental Assistant.	
2-Year Post High School Curriculum.			
VT 010 167	472	HEAVY CONSTRUCTION EQUIPMENT MECHANIC	
Common Forest Trees of North		VT 010 326 ED 038 503	546
Carolina; How to Know Them.		Heavy Construction Equipment	
VT 010 231	472	Mechanic; A Suggested Guide for a	
Suggestions for Integrating		Training Course.	
Forestry in the Modern Curriculum;			
A Conservation Teaching Aid.		HIGH SCHOOLS	
FUTURE HOMEMAKERS OF AMERICA		VT 002 592	491
VT 010 665	515	Health Occupations Planning Guide,	
An Adviser's Guide to Help Future		Medical Assistant.	
Homemakers of America Evaluate		VT 002 597	491
Their Own Growth.		Health Occupations Planning Guide:	
		Ward Secretary, Course No. 783.3.	
GRAPHIC ARTS			
VT 007 864	519	HIGHWAY DRAWING	
Industrial Arts Graphic		VT 009 997	521
Communications 10, 20, 30.		Highway Drawing.	
GREENHOUSES		HIGHWAY ENGINEERING AIDES	
VT 010 879 ED 038 538	478	VT 010 018	528
Greenhouse Crop Production; A		Soils and Drainage.	
Teacher's Manual.			
VT 010 880 ED 038 539	478	HOME ECONOMICS EDUCATION	
Greenhouse Crop Production; A		VT 000 120	497
Student Handbook.		Home Economics Course Outline, 9th,	
		10th, 11th, and 12th Grade.	
GUIDELINES		VT 000 176 ED 038 487	497
VT 009 994 ED 037 535	549	State Course of Study in Home	
A Guide for the Development of		Economics for Junior and Senior	
Curriculum in Vocational and		High Schools in Alabama.	
Technical Education.		VT 000 446	500
HEALTH OCCUPATIONS EDUCATION		Home Economics, Senior High	
VT 002 592	490	School--Foods.	
Health Occupations Planning Guide,		VT 000 875	500
Medical Assistant.		A Guide to Housekeeping.	
VT 002 597	490	VT 008 371	505
Health Occupations Planning Guide:		Family Finance and Consumer	
Ward Secretary, Course No. 783.3.		Education for Secondary Schools and	
VT 002 598	490	Adult Education.	
Trade Preparatory Training		VT 010 244	512
Curriculum Guide; Nurses Assistant		Follow These Suggestions for Better	
2.		Bulletin Boards.	
VT 008 294	491	VT 010 566	514
Home Nursing; Programmed		A Plan of Action for Adult	
Instruction. Instructor's Manual.		Education.	
VT 008 295	491	VT 010 569	514
Home Nursing; Programmed		Consumer Education; The Management	
Instruction. Student's Manual.		of Personal and Family Financial	
VT 009 485 ED 033 227	491	Resources.	
Brain and Nerves of the Human Body:		VT 010 575	515
A Programmed Text and Plate Booklet		Frontiers and Fundamentals; A Short	
for Physical Therapy Aides.		Course in Appliance Homemaking.	
VT 010 674	492	VT 010 667	515
Curriculum Guides for Re-Training		Home Nursing and Family Health: A	
in Medical Technology.		Guide for Teachers.	
VT 010 511	492	HCMF FURNISHINGS	
An Instruction Guide for Teachers		VT 000 445	499
of Health Assistants.		Home Economics; Senior High	
VT 010 581	493	School--Home Planning.	
Clinical Laboratory Assistant, A		VT 009 964 ED 037 533	509
Study Guide.		Home Furnishings Aide.	
VT 010 589	493	VT 010 126	511
Nurse's Aide. A Study Guide and Job		Color in Home Furnishings.	
Tests.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 670	516	VT 001 646	502
Housing and Interior Design: A Guide for Teachers.		Teaching Family Finance.	
HOME MANAGEMENT		VT 001 896	503
VT 000 107	496	Curriculum Plan for a Course in Family Living.	
Home Management, Vocational Home Economics Guide.		VT 002 062	503
VT 000 387	499	Suggestions for the Teaching of Personal and Family Finance.	
Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes.		VT 009 943	506
VT 000 445	499	Clothing Repairs.	
Home Economics; Senior High School--Home Planning.		VT 010 050	509
HOMECOUND		Reading Script, Study Guide, and Printed Originals for Young Underfashions.	
VT 008 295	491	VT 010 051	510
Home Nursing; Programmed Instruction. Student's Manual.		Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	
HOMEMAKING EDUCATION		VT 010 053	510
VT 000 C89	496	A Guide to the Catalog and Other Community Resources for Consumer Education Classes.	
Home and Family Life Education for Secondary Schools and Adults; Curriculum Guide.		VT 010 064	511
VT 000 098	496	Fashions in Dining.	
Study Guide for Home Economics, Grade Eight.		VT 010 124	511
VT 000 107	496	Consumer Information Learning Aids. Hidden Value Series.	
Home Management, Vocational Home Economics Guide.		VT 010 126	511
VT 000 118	497	Color in Home Furnishings.	
Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.		VT 010 127	512
VT 000 121	497	On Your Way...To Brighter Wash Days.	
Curriculum Guide for Homemaking Education.		VT 010 289	512
VT 000 176	497	A Date with Your Future; Money Management for the Young Adult.	
State Course of Study in Home Economics for Junior and Senior High Schools in Alabama.		VT 010 404	513
VT 000 339	498	Pattern Alteration: A Guide for Leaders in Clothing Programs.	
Home Economics Guide, Seventh and Eighth Grade.		VT 010 665	515
VT 000 352	498	An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	
Homemaking Teachers' Guide; Grades 9-12.		VT 010 666	515
VT 000 386	498	Senior Home Economics: A Guide for Teachers.	
Learning Experiences for the Seventh and Eighth Grade Home-Living Program.		VT 010 668	516
VT 000 387	499	Basic Home Economics: A Guide for Teachers.	
Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes.		VT 010 670	516
VT 000 389	499	Housing and Interior Design: A Guide for Teachers.	
Working Material in Teaching Housing.		HOMEMAKING SKILLS	
VT 000 445	499	VT 000 875	500
Home Economics; Senior High School--Home Planning.		A Guide to Housekeeping.	
VT 000 447	500	HOSPITALS	
Home Economics, Senior High School--Clothing.		VT 010 568	514
		Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.	
		HOUSING	
		VT 000 389	499
		Working Material in Teaching Housing.	
		VT 010 670	516
		Housing and Interior Design: A Guide for Teachers.	

# SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
INDEPENDENT STUDY		INDUSTRIAL TESTING	
VT 010 540	475	VT 009 779	521
Individual Study Guide on		Industrial Testing; Industrial Arts	
Carturetion.		Teaching Guide.	
INDEXES (LOCATERS)		INFORMATION SOURCES	
VT 009 991	486	VT 010 509 ED 038 507	474
Index of Super Market Articles		A Description and Source Listing of	
1968.		Curriculum Materials in	
INDIVIDUAL DEVELOPMENT		Agricultural Education, 1969-1970.	
VT 010 665	515	INSERVICE TEACHER EDUCATION	
An Adviser's Guide to Help Future		VT 000 752	524
Homemakers of America Evaluate		Introduction to Vocational Trade	
Their Own Growth.		and Industrial Teaching--Planning.	
INDIVIDUAL INSTRUCTION		INSTRUCTIONAL AIDS	
VT 010 208	481	VT 010 208	481
Audio Aids for Business Education,		Audio Aids for Business Education,	
1970.		1970.	
INDIVIDUAL STUDY		VT 010 244	512
VT 000 135	484	Follow These Suggestions for Better	
Arithmetic for Distribution.		Bulletin Boards.	
INDIVIDUAL STUDY ENGINEERING		INSTRUCTIONAL MATERIALS	
VT 010 540	475	VT 001 999	524
Individual Study Guide on		Advanced Training Course for School	
Carturetion.		Bus Drivers.	
INDUSTRIAL ARTS		VT 002 013	524
VT 001 958	518	Manual for the Instruction of	
Industrial Arts Curriculum Planning		School Bus Drivers of the State of	
Guide, Grades 7-12.		New York.	
VT 007 864	519	VT 009 666	469
Industrial Arts Graphic		Selected Bulletins for Departments	
Communications 10, 20, 30.		of Vocational Agriculture.	
VT 008 796	520	VT 009 779	521
Organization and Administration		Industrial Testing; Industrial Arts	
Forms for Industrial Arts.		Teaching Guide.	
VT 009 704	520	VT 009 970	509
Arts and Crafts for K to 6.		Michigan Bibliography of Resource	
VT 009 779	521	Materials for Training in Home	
Industrial Testing; Industrial Arts		Economics Related Occupations.	
Teaching Guide.		VT 010 254	488
INDUSTRIAL EDUCATION		Distributive Education Teaching	
VT 007 439	518	Innovations and Projects.	
Industrial Fluid Power. Volume 1.		VT 010 469	542
VT 007 440	519	Basic Estimating for Masons.	
Industrial Fluid Power. Volume 2.		VT 010 509 ED 038 507	474
VT 007 441	519	A Description and Source Listing of	
Industrial Fluid Power. Volume 3.		Curriculum Materials in	
VT 009 706	520	Agricultural Education, 1969-1970.	
Metalworking; Vocational-Industrial		INSTRUCTION COORDINATORS	
Education Curriculum Guide.		VT 009 959 ED 037 528	507
Curriculum Bulletin Series.		Home Economics Cooperative	
VT 009 899	521	Education.	
A Tentative Guide for Implementing		IRELAND	
Industrial Arts Education.		VT 010 214	537
Curriculum Guide 1.		Training Recommendations: Plumbing	
VT 009 969	526	Technician.	
Basic Electricity. Direct Current		VT 010 220	537
Generators, Motors, and		Training Recommendations: Heating	
Controllers.		and Ventilating Technicians.	
VT 010 474	542	VT 010 221	538
Projects in Electricity-I.		Training Recommendations: Heating	
		and Ventilating Apprentices.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 222	538	LAWS	
Training Recommendations:		VT 010 715	477
Apprentice Painters.		Law for the Farmer.	
VT 010 224	538	LEARNING ACTIVITIES	
Training Recommendations:		VT 000 386	491
Electrical Installation		Learning Experiences for the	
Apprentices.		Seventh and Eighth Grade	
VT 010 225	539	Home-Living Program.	
Training of General Foremen:		LESSON PLANS	
Interim Recommendations.		VT 009 525	506
VT 010 226	539	Instructional Guide for Human	
Training Recommendations:		Sexuality.	
Apprentice Carpenter and Joiner.		VT 009 969	526
VT 010 227	539	Basic Electricity, Direct Current	
Training Recommendations: Building		Generators, Motors, and	
Technicians.		Controllers.	
VT 010 234	539	VT 010 193	537
Training Recommendations:		Fire Department Pump Operations:	
Apprentice Plasterer.		Instructor's Guide.	
VT 010 236	540	VT 010 249	547
Training Recommendations:		Arc Welding in Vocational	
Apprentice Floor and Wall Tiler.		Agriculture.	
JCP SKILLS		VT 010 250	473
VT 010 592	544	Gasoline Engines in Vocational	
Cosmetology.		Agriculture.	
VT 010 697	493	VT 010 252	473
Dental Assistant.		Woodworking in Vocational	
JUNIOR COLLEGES		Agriculture.	
VT 009 150	524	VT 010 276	522
Electromechanical Technology.		Basic Electricity, Theory and	
KINETICS		Practice.	
VT 007 384	518	VT 010 399	541
Fluid Power in Plant and Field.		The Internal Combustion Engine	
Volume 1.		(Gasoline Engine).	
KITCHEN PLANNING		VT 010 390	541
VT 010 051	510	Basic Automotive Repair-1.	
Your Space Age Kitchen: Study		VT 010 477	543
Guide, Printed Originals, and		Drafting-1.	
Reading Script.		LITERARY MATERIALS	
LABORATORY MANUALS		VT 010 564	550
VT 010 276	522	Curriculum Collection,	
Basic Electricity, Theory and		Vocational-Technical Education.	
Practice.		PACHINE REPAIRMEN	
VT 010 389	541	VT 010 326 ED 018 501	540
The Internal Combustion Engine		Heavy Construction Equipment	
(Gasoline Engine).		Mechanic: A Suggested Guide for a	
VT 010 390	541	Training Course.	
Basic Automotive Repair-1.		MAIDS	
VT 010 477	543	VT 009 960 ED 037 529	507
Drafting-1.		Powerkeeping Management Assistant.	
LABORATORY SAFETY		MAINTENANCE	
VT 009 942 ED 035 733	521	VT 010 429	542
An Accident Prevention Program for		Maintenance Man, Building: A	
School Shops and Laboratories: A		Suggested Guide for a Training	
Suggested Guide for School		Course.	
Administrators.		PARAGLIDING	
LABORATORY TECHNOLOGY		VT 000 049	444
VT 010 074	492	Principles of Paraglider.	
Curriculum Guides for Pre-Training			
in Pelical Technology.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
MANAGEMENT EDUCATION		METALS	
VT 010 242	488	VT 009 706	520
Mid-Management Teaching Innovations and Projects.		Metalworking; Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.	
MANUALS		VT 010 090	531
VT 002 013	524	Metal Trades; Suggested Basic Course Outline.	
Manual for the Instruction of School Bus Drivers of the State of New York.		MONEY MANAGEMENT	
VT 004 558	467	VT 001 646	502
Student Teaching in Vocational Agriculture.		Teaching Family Finance.	
VT 005 831	468	VT 002 062	503
Participating Experiences for Prospective Teachers of Vocational Agriculture.		Suggestions for the Teaching of Personal and Family Finance.	
VT 010 426	473	VT 008 200	504
Building Farm Fences.		Your Guide for Teaching Money Management.	
VT 010 553	492	VT 008 371	505
Emergency Care of the Sick and Injured.		Family Finance and Consumer Education for Secondary Schools and Adult Education.	
VT 010 879	478	VT 010 069	487
ED 038 538		Money Management and Banks.	
Greenhouse Crop Production; A Teacher's Manual.		VT 010 289	512
MANUFACTURING INDUSTRY		A Date with Your Future; Money Management for the Young Adult.	
VT 008 762	548	NATIONAL HOME APPLIANCE CONFERENCE, DENVER, COLORADO, OCTOBER, 1968	
Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.		VT 010 575	515
MARKETING		Frontiers and Fundamentals; A Short Course in Appliance Homemaking.	
VT 009 952	486	NATIONAL SAFETY COUNCIL	
Business Locations (Transparency Masters).		VT 009 942	521
MEASURING INSTRUMENTS		ED 035 733	
VT 010 123	535	An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
Measuring Instruments.		NATURAL RESOURCES	
MEDICAL ASSISTANTS		VT 010 229	472
VT 002 592	490	A Guide for Use in Planning Occupational Education Programs in Agricultural Resources.	
Health Occupations Planning Guide, Medical Assistant.		VT 010 488	474
MEDICAL LABORATORY ASSISTANTS		Course of Study for Agricultural Conservation Education.	
VT 010 581	493	NEEDLE TRACES	
Clinical Laboratory Assistant, A Study Guide.		VT 009 962	508
MEDICAL TECHNOLOGISTS		ED 037 531	
VT 010 074	492	Clothing Assistant.	
Curriculum Guides for Re-Training in Medical Technology.		NEUROLOGY	
MERCHANDISING		VT 009 485	491
VT 006 852	485	ED 033 227	
Fashion Merchandising.		Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.	
METAL WORKING OCCUPATIONS		RUFSEIES (HORTICULTURE)	
VT 009 706	520	VT 010 879	478
Metalworking; Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.		ED 038 538	
VT 010 090	531	Greenhouse Crop Production; A Teacher's Manual.	
Metal Trades; Suggested Basic Course Outline.		VT 010 480	478
		ED 038 539	
		Greenhouse Crop Production; A Student Handbook.	



## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
NURSES AIDES		VT 009 958	506
VT 002 598	490	Dietitian Aide.	
Trade Preparatory Training		VT 009 959	507
Curriculum Guide: Nurses Assistant		Home Economics Cooperative	
2.		Education.	
VT 010 589	493	VT 009 960	507
Nurse's Aide. A Study Guide and Job		Housekeeping Management Assistant.	
Tests.		VT 009 961	508
		Food Service Employee.	
NURSING		VT 009 962	508
VT 006 294	491	Clothing Assistant.	
Home Nursing: Programmed		VT 009 963	508
Instruction. Instructor's Manual.		Child Care Aide.	
VT 008 295	491	VT 009 964	509
Home Nursing: Programmed		Home Furnishings Aide.	
Instruction. Student's Manual.		VT 009 970	509
VT 010 667	515	Michigan Bibliography of Resource	
Home Nursing and Family Health: A		Materials for Training in Home	
Guide for Teachers.		Economics Related Occupations.	
		VT 010 442	513
NURSING HOMES		Home Economics Occupational	
VT 010 568	514	Education. Child Care Services	
Course for Cooks in Nursing Homes		Training Guide.	
and Small Hospitals. Instructor's		VT 010 568	514
Manual.		Course for Cooks in Nursing Homes	
		and Small Hospitals. Instructor's	
OCCUPATIONAL GUIDANCE		Manual.	
VT 001 455	548	VT 010 669	516
Teacher's Guide for a Model Program		Food Service: A Guide for Teachers.	
on Introduction to Occupations.			
		OCCUPATIONAL INFORMATION	
OCCUPATIONAL HOME ECONOMICS		VT 000 528	466
VT 000 094	496	Suggestions for Orienting	
Vocational Home Economics		Vocational Agriculture Students to	
Cooperative Training Programs in		Employment Opportunities in Farm	
Food Service for High Schools.		Based Businesses and Agencies.	
VT 000 176	497	VT 010 229	472
ED 038 467		A Guide for Use in Planning	
State Course of Study in Home		Occupational Education Programs in	
Economics for Junior and Senior		Agricultural Resources.	
High Schools in Alabama.		VT 010 512	543
VT 000 888	501	A Study Guide for Occupational Work	
A Sample Wage Earning Training		Experience Students, Second	
Program for Waitress Training.		Semester.	
VT 000 889	501	VT 010 513	543
A Sample Wage Earning Training		A Study Guide for Occupational Work	
Program for Dry Cleaning and		Experience Students, First	
Laundry Aide.		Semester.	
VT 000 891	501	VT 010 677	545
A Sample Wage Earning Training		ED 038 515	
Program for Food Pantry Aide.		Building Custodian: A Suggested	
VT 000 892	502	Guide for a Training Course.	
A Sample Wage Earning Training			
Program for Child Day Care Aide.		OFF FARM AGRICULTURAL OCCUPATIONS	
VT 000 893	502	VT 000 275	464
A Sample Wage Earning Training		A Training Program for Vocational	
Program for Short Order Cook.		Agriculture in Agricultural	
VT 002 455	503	Service.	
ED 019 448		VT 000 276	464
Long Beach City College Content		A Training Program for Vocational	
Outlines for Courses in Home		Agriculture in Farm Service.	
Economics-Related Occupations.		VT 000 280	465
VT 003 587	503	A Training Program for Vocational	
Homebased Service Training		Agriculture in Farm Supplies and	
Syllabus.		Equipment.	
VT 007 962	504	VT 000 281	465
ED 029 960		A Training Program for Vocational	
A Research Basis for Child Care		Agriculture in Ornamental	
Curriculum Development.		Horticulture.	
VT 009 332	505		
Yco, the waitress.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 000 528	466	CSCILLATORS	
Suggestions for Orienting		VT 010 121	53
Vocational Agriculture Students to		Oscillators.	
Employment Opportunities in Farm			
Based Businesses and Agencies.		PATTERN ALTERATION	
VT 010 229	472	VT 010 404	51
A Guide for Use in Planning		Pattern Alteration: A Guide for	
Occupational Education Programs in		Leaders in Clothing Programs.	
Agricultural Resources.			
OFFICE MACHINES		PHYSICAL THERAPY AIDES	
VT 009 965	480	VT 009 485 ED 033 227	49
Key Punch Machine Operation; A		Brain and Nerves of the Human Body:	
Suggested Adult Course Outline.		A Programmed Text and Plate Booklet	
		for Physical Therapy Aides.	
OFFICE OCCUPATIONS		PLANNING	
VT 010 266	481	VT 000 752	52
Office Practices.		Introduction to Vocational Trade	
		and Industrial Teaching--Planning.	
OFFICE OCCUPATIONS EDUCATION			
VT 001 087	480	PLANT IDENTIFICATION	
Syllabus and Teaching Suggestions		VT 007 132 ED 037 521	46
for a Course in Secretarial		Transparency Masters for Crop and	
Practice.		Weed Identification.	
VT 001 315	480		
Clerical Practice for High Schools.		PLANT SCIENCE	
VT 009 965	480	VT 007 182 ED 037 521	46
Key Punch Machine Operation; A		Transparency Masters for Crop and	
Suggested Adult Course Outline.		Weed Identification.	
VT 010 266	481		
Office Practices.		PLUMBERS	
		VT 009 875	52
OFFICE PRACTICE		Bell and Sprocket Pipe for Apprentice	
VT 001 087	480	Training in the Plumbing and Pipe	
Syllabus and Teaching Suggestions		Fitting Industry.	
for a Course in Secretarial			
Practice.		PLUMBING	
VT 010 266	481	VT 009 875	52
Office Practices.		Bell and Sprocket Pipe for Apprentice	
		Training in the Plumbing and Pipe	
ORIENTATION		Fitting Industry.	
VT 010 288	550		
Orientatation and Craft Skill		POLICE	
Training.		VT 009 166 ED 033 205	52
		Training Police for Work with	
ORNAMENTAL HORTICULTURE		Juveniles.	
VT 000 281	465		
A Training Program for Vocational		PORTLAND CEMENT ASSOCIATION	
Agriculture in Ornamental		VT 010 607 ED 037 572	54
Horticulture.		Results of Phase I of the	
VT 001 432	467	Development of Course Content and	
Demonstrations in Ornamental		Teaching Guides for a Total	
Horticulture and Plant Science.		Curriculum in Concrete Technology.	
VT 009 713	470	Interim Report.	
Ornamental Horticulture.			
ORNAMENTAL HORTICULTURE OCCUPATION		POST SECONDARY EDUCATION	
VT 000 281	465	VT 010 063	530
A Training Program for Vocational		Diesel Servicing.	
Agriculture in Ornamental		VT 010 769 ED 038 528	54
Horticulture.		Architectural and Building	
VT 001 432	467	Construction Technology: A	
Demonstrations in Ornamental		Suggested 2-Year Post High School	
Horticulture and Plant Science.		Curriculum.	
VT 009 713	470		
Ornamental Horticulture.		POSTAL EMPLOYEE TRAINING	
		VT 010 288	550
		Orientatation and Craft Skill	
		Training.	

# SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
POWER SUPPLIES		ERCFAM GUIDES	
VT 010 105	533	VT 000 544	466
Power Supplies.		A Program of Farm Management Education for Family Farm Operators.	
PRACTICAL MATHEMATICS		VT 000 888	501
VT 000 135	484	A Sample Wage Earning Training Program for Waitress Training.	
Arithmetic for Distribution.		VT 000 989	501
VT 004 677	525	A Sample Wage Earning Training Program for Dry Cleaning and Laundry Aide.	
Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.		VT 000 891	501
PREVOCATIONAL EDUCATION		A Sample Wage Earning Training Program for Home Management Aide.	
VT 001 455	548	VT 000 892	502
Teacher's Guide for a Model Program on Introduction to Vocations.		A Sample Wage Earning Training Program for Child Day Care Aide.	
VT 009 704	520	VT 000 893	502
Arts and Crafts for K to 6.		A Sample Wage Earning Training Program for Short Order Cook.	
ERCFAM ADMINISTRATION		VT 001 087	480
VT 008 445	484	Syllabus and Teaching Suggestions for a Course in Secretarial Practice.	
Distributive Education Handbook.		VT 002 592	490
VT 006 796	520	Health Occupations Planning Guide, Medical Assistant.	
Organization and Administration Forms for Industrial Arts.		VT 003 587	503
PROGRAM CONTENT		Homemaker Service Training Syllabus.	
VT 009 658	520	VT 007 878	468
Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.		ED 028 268	
VT 005 659	548	Forest Technology; A Suggested 2-Year Post High School Curriculum.	
Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.		VT 008 445	484
VT 010 214	537	Distributive Education Handbook.	
Training Recommendations: Plumbing Technician.		VT 009 658	520
VT 010 234	539	Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.	
Training Recommendations: Apprentice Plasterer.		VT 009 714	470
VT 010 236	540	A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	
Training Recommendations: Apprentice Floor and Wall Tiler.		VT 009 959	507
VT 010 600	482	ED 037 528	
Business Education Curriculum Guide.		Home Economics Cooperative Education.	
PROGRAM DESCRIPTIONS		VT 010 062	530
VT 001 958	518	Diesel Servicing.	
Industrial Arts Curriculum Planning Guide, Grades 7-12.		VT 010 220	537
VT 008 445	484	Training Recommendations: Heating and Ventilating Technicians.	
Distributive Education Handbook.		VT 010 221	538
ERCFAM EVALUATION		Training Recommendations: Heating and Ventilating Apprentices.	
VT 003 658	520	VT 010 222	538
Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.		Training Recommendations: Apprentice Painters.	
VT 005 659	548	VT 010 224	538
Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.		Training Recommendations: Electrical Installation Apprentices.	
		VT 010 225	539
		Training of General Foremen: Interior Recommendations.	
		VT 010 226	539
		Training Recommendations: Apprentice Carpenter and Joiner.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 227	535	RADIO FREQUENCY AMPLIFIERS	
Training Recommendations: Building Technicians.		VT 010 122	535
VT 010 229	472	Radio Frequency Amplifiers.	
A Guide for Use in Planning Occupational Education Programs in Agricultural Resources.		RECORDS (FORMS)	
VT 010 288	550	VT 008 796	520
Orientation and Craft Skill Training.		Organization and Administration Forms for Industrial Arts.	
VT 010 326 ED 038 503	540	REFERENCE BOOKS	
Heavy Construction Equipment Mechanic: A Suggested Guide for a Training Course.		VT 009 665	469
VT 010 442	513	Selected Reference Books for Departments of Vocational Agriculture.	
Home Economics Occupational Education. Child Care Services Training Guide.		REFERENCE MATERIALS	
VT 010 769 ED 038 528	545	VT 010 167	472
Architectural and Building Construction Technology: A Suggested 2-Year First High School Curriculum.		Common Forest Trees of North Carolina; How to Know Them.	
		VT 010 715	476
		Law for the Farmer.	
PROGRAM PLANNING		REFRIGERATION	
VT 009 659	548	VT 010 043	530
Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.		Refrigeration and Air Conditioning; Suggested Basic Course Outline.	
VT 009 959 ED 037 528	507	REFRIGERATION MECHANICS	
Home Economics Cooperative Education.		VT 010 043	530
VT 010 229	472	Refrigeration and Air Conditioning; Suggested Basic Course Outline.	
A Guide for Use in Planning Occupational Education Programs in Agricultural Resources.		RESEARCH UTILIZATION	
VT 010 488	474	VT 007 962 ED 029 960	504
Course of Study for Agricultural Conservation Education.		A Research Basis for Child Care Curriculum Development.	
PROGRAMMED INSTRUCTION		RESOURCE GUIDES	
VT 010 077	487	VT 009 942 ED 035 733	521
Programmed Instruction: Distributive and Office Education.		An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
PROGRAMMED MATERIALS		VT 010 426	473
VT 008 294	491	Building Farm Fences.	
Home Nursing; Programmed Instruction. Instructor's Manual.		RESOURCE MATERIALS	
VT 008 295	491	VT 002 062	503
Home Nursing; Programmed Instruction. Student's Manual.		Suggestions for the Teaching of Personal and Family Finance.	
VT 009 485 ED 033 227	491	VT 009 943	506
Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.		Clothing Repairs.	
PROJECT TRAINING METHODS		VT 010 050	509
VT 010 254	488	Reading Script, Study Guide, and Printed Originals for Young Underfashions.	
Distributive Education Teaching Innovations and Projects.		VT 010 052	510
VT 010 474	542	Silhouettes of Fashion.	
Projects in Electricity-I.		VT 010 053	510
PURCHASING		A Guide to the Catalog and Other Community Resources for Consumer Education Classes.	
VT 010 053	510	VT 010 064	511
A Guide to the Catalog and Other Community Resources for Consumer Education Classes.		Fashions in Dining.	
		VT 010 077	487
		Programmed Instruction: Distributive and Office Education.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 127	512	SCHOOL BUS DRIVERS	
On Your Way...To Brighter Wash Days.		VT 001 999	524
VT 010 162	536	Advanced Training Course for School Bus Drivers.	
Waiter-Waitress; A Suggested Guide for a Training Course.		VT 002 013	524
VT 010 167	472	Manual for the Instruction of School Bus Drivers of the State of New York.	
Common Forest Trees of North Carolina; How to Know Them.		SCHOOL BUSSES	
VT 010 404	513	VT 001 999	524
Pattern Alteration: A Guide for Leaders in Clothing Programs.		Advanced Training Course for School Bus Drivers.	
VT 010 729	477	SCHOOL CALENDARS	
Determining Available Potassium in Soils.		VT 009 941	485
VT 010 730	477	Distributive Education II; Suggested Teaching Calendar.	
Appraising Farm Buildings.		SCHOOL SAFETY	
RESCUE UNITS		VT 009 942	521
VT 000 339	498	ED 035 733	
Home Economics Guide, Seventh and Eighth Grade.		An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
RETAILING		SCRIPTS	
VT 009 953	486	VT 009 332	505
Wholesaling (Transparency Masters).		You, the Waitress.	
RETRAINING		SECONDARY EDUCATION	
VT 010 074	492	VT 001 958	518
Curriculum Guides for Re-Training in Medical Technology.		Industrial Arts Curriculum Planning Guide, Grades 7-12.	
RICE PRODUCTION		SECONDARY SCHOOLS	
VT 010 599	475	VT 008 796	520
A Suggested Training Guide for Rice Production in Louisiana.		Organization and Administration Forms for Industrial Arts.	
ROLE PERCEPTION		SECRETARIES	
VT 010 666	515	VT 001 087	480
Senior Home Economics: A Guide for Teachers.		Syllabus and Teaching Suggestions for a Course in Secretarial Practice.	
SAFETY EDUCATION		SELF EVALUATION	
VT 009 982	521	VT 010 665	515
ED 035 733		An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	
An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.		SERVICE OCCUPATIONS	
SALES OCCUPATIONS		VT 000 275	464
VT 010 727	477	A Training Program for Vocational Agriculture in Agricultural Service.	
Salesmanship in Agricultural Business.		VT 000 279	464
SALES OFFERS		A Training Program for Vocational Agriculture in Farm Service.	
VT 009 332	505	VT 000 891	501
You, the Waitress.		A Sample Wage Earning Training Program for Home Management Aide.	
VT 010 198	487	VT 003 587	503
Training Food Service Personnel for the Hospitality Industry.		Forecaster Service Training Syllabus.	
SALESMANSHIP			
VT 010 727	477		
Salesmanship in Agricultural Business.			

# SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 429 Maintenance Man, Building; A Suggested Guide for a Training Course.	542	STATE DEPARTMENTS OF EDUCATION VT 010 564 Curriculum Collection, Vocational-Technical Education.	550
SEX EDUCATION VT 007 525 Instructional Guide for Human Sexuality.	506	STATE LAWS VT 010 715 Law for the Farmer.	476
SEXUALITY VT 009 525 Instructional Guide for Human Sexuality.	506	STATE STANDARDS VT 008 445 Distributive Education Handbook. VT 009 714 A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	484 470
SITE SELECTION VT 009 552 Business Locations (Transparency Masters).	486	STUDENT ORGANIZATIONS VT 010 665 An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	515
SKILLED OCCUPATIONS VT 010 030 Auto Body Repair and Painting; Suggested Basic Course Outline.	529	STUDENT RECORDS VT 010 691 Tractor, Diesel, and Farm Machinery Mechanics.	476
SOIL CONSERVATION VT 000 277 A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.	464	STUDENT TEACHERS VT 004 558 Student Teaching in Vocational Agriculture. VT 005 831 Participating Experiences for Prospective Teachers of Vocational Agriculture.	467 468
SOIL SCIENCE VT 010 018 Soils and Drainage.	528	STUDENT TEACHING VT 004 558 Student Teaching in Vocational Agriculture. VT 005 831 Participating Experiences for Prospective Teachers of Vocational Agriculture.	467 468
STATE CURRICULUM GUIDES VT 000 176 FD C38 487 State Course of Study in Home Economics for Junior and Senior High Schools in Alabama. VT 001 455 Teacher's Guide for a Model Program on Introduction to Vocations. VT 001 558 Industrial Arts Curriculum Planning Guide, Grades 7-12. VT 009 712 Agricultural Business. VT 009 713 Cerebral Horticulture. VT 009 714 A Planning Guide for Agricultural Education Programs in Virginia's Public Schools. VT 009 715 Agricultural Production. VT 009 716 Agricultural Machinery Service. VT 009 717 Agricultural Science and Mechanics I and II. VT 010 488 Course of Study for Agricultural Conservation Education. VT 010 564 A Plan of Action for Adult Education.	497 548 518 469 470 470 470 471 471 474 514	STUDY GUIDES VT 000 135 Arithmetic for Distribution. VT 000 367 Beef Cattle Production, Sales and Service. VT 000 752 Introduction to Vocational Trade and Industrial Teaching--Planning. VT 000 875 A Guide to Housekeeping. VT 008 235 Home Nursing; Programmed Instruction. Student's Manual. VT 009 875 Bell and Spigot Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry. VT 009 958 ET 037 527 Citation Aide. VT 009 960 ET 037 529 Housekeeping Management Assistant.	484 465 524 500 491 526 506 507



## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 009 961 ED 037 530	508	VT 000 528	466
Food Service Employee.		Suggestions for Orienting	
VT 009 962 ED 037 531	508	Vocational Agriculture Students to	
Clothing Assistant.		Employment Opportunities in Farm	
VT 009 963 ED 037 532	508	Based Businesses and Agencies.	
Child Care Aide.		VT 007 384	518
VT 009 964 ED 037 533	509	Fluid Power in Plant and Field.	
Home Furnishings Aide.		Volume 1.	
VT 010 124	511	VT 009 848	526
Consumer Information Learning Aids.		Carpentry and Building	
Hidden Value Series.		Construction.	
VT 010 126	511	VT 009 943	506
Color in Home Furnishings.		Clothing Repairs.	
VT 010 266	481	VT 010 512	543
Office Practices.		A Study Guide for Occupational Work	
VT 010 288	550	Experience Students, Second	
Orientation and Craft Skill		Semester.	
Training.		VT 010 513	543
VT 010 289	512	A Study Guide for Occupational Work	
A Date with Your Future; Money		Experience Students, First	
Management for the Young Adult.		Semester.	
VT 010 512	543	VT 010 715	476
A Study Guide for Occupational Work		Law for the Farmer.	
Experience Students, Second		VT 010 725	476
Semester.		Planning Your Farm Business.	
VT 010 513	543	VT 010 729	477
A Study Guide for Occupational Work		Determining Available Potassium in	
Experience Students, First		Soils.	
Semester.		VT 010 730	477
VT 010 540	475	Appraising Farm Buildings.	
Individual Study Guide or		VT 010 879 PD 038 538	478
Carturation.		Greenhouse Crop Production; A	
VT 010 581	493	Teacher's Manual.	
Clinical Laboratory Assistant, A		VT 010 880 SD 038 539	479
Study Guide.		Greenhouse Crop Production; A	
VT 010 589	493	Student Handbook.	
Nurse's Aide. A Study Guide and Job			
Tests.		SUPPLEMENTARY TEXTBOOKS, RESOURCE	
VT 010 592	544	MATERIALS	
Cosmetology.		VT 010 727	477
VT 010 687	493	Salesmanship in Agricultural	
Dental Assistant.		Business.	
VT 010 691	476		
Tractor, Diesel, and Farm Machinery		TABLETIPPING	
Mechanics.		VT 010 064	511
VT 010 880 ED 038 539	478	Fashions in Dining.	
Greenhouse Crop Production; A			
Student Handbook.		TEACHER EDUCATION	
		VT 004 558	457
SUPERPROFESSIONALS		Student Teaching in Vocational	
VT 004 150	524	Agriculture.	
Electromechanical Technology.		VT 005 831	468
VT 010 379	540	Participating Experiences for	
Air Conditioning and Heating		Prospective Teachers of Vocational	
Technology-II.		Agriculture.	
SUPERVISORS		VT 010 010	527
VT 000 049	484	Course Organization and Planning.	
Principles of Management.		VT 010 011	527
SUPERVISORY TRAINING		Introduction to Teaching Vocational	
VT 000 049	484	Industrial Subjects.	
Principles of Management.		VT 010 039	529
SUPPLEMENTARY TEXTBOOKS		Organization and Management of	
VT 000 049	484	Vocational Industrial Education.	
Principles of Management.		VT 010 040	529
		The Use of Instructional Aids.	
		VT 010 041	530
		Organizing and Teaching Accident	
		Prevention Subjects.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VT 010 186	536	VT 010 016	528
Practice Teaching.		Highway Design and Estimating.	
TEACHER RESPONSIBILITY		VT 010 018	528
VT 008 286	505	Soils and Drainage.	
A Handbook for Teachers of Home Economics.		VT 010 039	529
TEACHING GUIDES		Organization and Management of Vocational Industrial Education.	
VT 000 107	496	VT 010 040	529
Home Management, Vocational Home Economics Guide.		The Use of Instructional Aids.	
VT 000 121	497	VT 010 041	530
Curriculum Guide for Homemaking Education.		Organizing and Teaching Accident Prevention Subjects.	
VT 000 335	498	VT 010 051	510
Home Economics Guide, Seventh and Eighth Grade.		Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	
VT 000 352	498	VT 010 064	511
Homemaking Teachers' Guide; Grades 9-12.		Fashions in Dining.	
VT 000 387	499	VT 010 070	531
Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes.		Escalated Course of Study for Automobile Mechanics, Teacher's Guide.	
VT 000 389	499	VT 010 102	532
Working Material in Teaching Housing.		Electricity for Electronics.	
VT 000 447	500	VT 010 103	532
Home Economics, Senior High School--Clothing.		Vacuum Tubes.	
VT 001 432	467	VT 010 104	532
Demonstrations in Ornamental Horticulture and Plant Science.		Basic Amplifiers.	
VT 001 646	502	VT 010 105	533
Teaching Family Finance.		Power Supplies.	
VT 002 598	490	VT 010 106	533
Trade Preparatory Training Curriculum Guide: Nurses Assistant 2.		Basic Transistor Circuits and Applications.	
VT 008 294	491	VT 010 107	533
Home Nursing, Prearranged Instruction, Instructor's Manual.		Advanced Transistor Circuits and Applications.	
VT 009 525	506	VT 010 108	534
Instructional Guide for Human Sexuality.		Audio Amplifying Systems.	
VT 009 779	521	VT 010 120	534
Industrial Testing; Industrial Arts Teaching Guide.		Essentials of Transistors and Semiconductors.	
VT 009 848	526	VT 010 121	535
Centrality and Building Construction.		Oscillators.	
VT 009 852	485	VT 010 122	535
Fashion Merchandising.		Radio Frequency Amplifiers.	
VT 003 941	485	VT 010 123	535
Distributive Education II: Suggested Teaching Calendar.		Measuring Instruments.	
VT 009 965	480	VT 010 186	536
Keyboard Machine Operation; A Suggested Adult Course Outline.		Practice Teaching.	
VT 009 937	527	VT 010 193	537
Highway Drawing.		Fire Department Pump Operation; Instructor's Guide.	
VT 010 010	527	VT 010 198	487
Course Organization and Planning.		Training Food Service Personnel for the Hospitality Industry.	
VT 010 011	527	VT 010 249	473
Introduction to Teaching Vocational Industrial Subjects.		Arc Welding in Vocational Agriculture.	
		VT 010 250	473
		Gasoline Engines in Vocational Agriculture.	
		VT 010 252	473
		Woodworking in Vocational Agriculture.	
		VT 010 254	488
		Distributive Education Teaching Innovations and Projects.	

# SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VI 010 276	522	TECHNICAL EDUCATION	
Basic Electricity, Theory and Practice.		VT 004 150	524
VT 010 288	550	Electromechanical Technology.	
Orientation and Craft Skill Training.		VT 004 677	525
VT 010 326 ED 038 503	540	Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.	
Heavy Construction Equipment Mechanic: A Suggested Guide for a Training Course.		VT 007 878 ED 028 268	468
VT 010 390	541	Forest Technology: A Suggested 2-Year Post High School Curriculum.	
Basic Automotive Repair-I.		VT 008 762	548
VT 010 474	542	Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.	
Projects in Electricity-I.		VT 009 894	549
VT 010 477	543	A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.	
VT 010 506 ED 038 506	474	VT 009 994 ED 037 535	549
A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.		A Guide for the Development of Curriculum in Vocational and Technical Education.	
VT 010 566	514	VT 009 997	527
A Plan of Action for Adult Education.		Highway Drawing.	
VT 010 599	475	VT 010 016	528
A Suggested Training Guide for Rice Production in Louisiana.		Highway Design and Estimating.	
VT 010 607 ED 037 572	544	VT 010 379	540
Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.		Air Conditioning and Heating Technology-II.	
VT 010 666	515	TECHNICAL REPORTS	
Senior Home Economics: A Guide for Teachers.		VT 010 607 ED 037 572	544
VT 010 667	515	Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.	
Home Nursing and Family Health: A Guide for Teachers.		TESTS	
VT 010 668	516	VT 010 587	493
Basic Home Economics: A Guide for Teachers.		Nurse's Aide. A Study Guide and Job Tests.	
VT 010 669	516	TEXTBOOK PREPARATION	
Food Service: A Guide for Teachers.		VT 004 677	525
VT 010 670	516	Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.	
Housing and Interior Design: A Guide for Teachers.		TEXTBOOKS	
VT 010 677 ED 038 515	545	VT 004 677	525
Building Custodian: A Suggested Guide for a Training Course.		Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.	
VT 010 689	476	VT 007 439	518
A Training Program for Vocational Agriculture in Dairy Production.		Industrial Fluid Power. Volume 1.	
TEACHING METHODS		VT 007 440	519
VT 008 286	505	Industrial Fluid Power. Volume 2.	
A Handbook for Teachers of Home Economics.		VT 007 441	519
VT 010 207	481	Industrial Fluid Power. Volume 3.	
Handbook for Teachers of Business Management.		VT 010 375	540
VT 010 242	488	Air Conditioning and Heating Technology-II.	
Mid-Management Teaching Innovations and Projects.		TEXTILES	
VT 010 254	488	VT 010 127	512
Distributive Education Teaching Innovations and Projects.		On Your Way...to Brighter Wash Days.	

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
TEXTILES INSTRUCTION		VT 010 214	537
VT 000 447	500	Training Recommendations: Plumbing Technician.	
Home Economics, Senior High School--Clothing.		VT 010 220	537
TRACE AND INDUSTRIAL EDUCATION		Training Recommendations: Heating and Ventilating Technicians.	
VT 000 752	524	VT 010 221	538
Introduction to Vocational Trade and Industrial Teaching--Planning.		Training Recommendations: Heating and Ventilating Apprentices.	
VT 001 999	524	VT 010 222	538
Advanced Training Course for School Bus Drivers.		Training Recommendations: Apprentice Painters.	
VT 004 677	525	VT 010 224	538
Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.		Training Recommendations: Electrical Installation Apprentices.	
VT 007 384	518	VT 010 225	539
Fluid Power in Plant and Field. Volume 1.		Training of General Foremen: Interim Recommendations.	
VT 009 166 ED 033 205	525	VT 010 226	539
Training Police for Work with Juveniles.		Training Recommendations: Apprentice Carpenter and Joiner.	
VT 009 848	526	VT 010 227	539
Carpentry and Building Construction.		Training Recommendations: Building Technicians.	
VT 009 875	526	VT 010 234	539
Bell and Spigot Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry.		Training Recommendations: Apprentice Plasterer.	
VT 010 010	527	VT 010 236	540
Course Organization and Planning.		Training Recommendations: Apprentice Floor and Wall Tiler.	
VT 010 011	527	VT 010 326 ED 038 503	540
Introduction to Teaching Vocational Industrial Subjects.		Heavy Construction Equipment Mechanic: A Suggested Guide for a Training Course.	
VT 010 030	529	VT 010 349	541
Auto Body Repair and Painting: Suggested Basic Course Outline.		The Internal Combustion Engine (Gasoline Engine).	
VT 010 039	529	VT 010 390	541
Organization and Management of Vocational Industrial Education.		Basic Automotive Repair-I.	
VT 010 040	529	VT 010 429	542
The Use of Instructional Aids.		Maintenance Map, Building: A Suggested Guide for a Training Course.	
VT 010 041	530	VT 010 469	542
Organizing and Teaching Accident Prevention Subjects.		Basic Estimating for Masons.	
VT 010 043	530	VT 010 477	543
Refrigeration and Air Conditioning: Suggested Basic Course Outline.		Drafting-I.	
VT 010 063	530	VT 010 512	543
Diesel Servicing.		A Study Guide for Occupational Work Experience Students, Second Semester.	
VT 010 070	531	VT 010 513	543
Escalated Course of Study for Automobile Mechanics, Teacher's Guide.		A Study Guide for Occupational Work Experience Students, First Semester.	
VT 010 090	531	VT 010 532	544
Petroleum Trades: Suggested Basic Course Outline.		Cost Accounting.	
VT 010 155	536	VT 010 607 ED 037 572	544
Training Recorator for First Year Motor Vehicle Craft Apprentices.		Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.	
VT 010 162 ED 035 755	536	VT 010 676 ED 037 578	544
Waiter-Waitress: A Suggested Guide for a Training Course.		Electronics Technician, Entry: A Suggested Guide for a Training Course.	
VT 010 186	536		
Practice Teaching.			
VT 010 191	537		
Fire Department Entry Orientation: Instructor's Guide.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
TRACE AND INDUSTRIAL TEACHERS		TRANSPARENCIES	
VT 000 752	524	VT 007 182 ED 037 521	468
Introduction to Vocational Trade and Industrial Teaching--Planning.		Transparency Masters for Crop and Weed Identification.	
VT 010 010	527	VT 009 879	485
Course Organization and Planning.		Orientation to and Planning for the Supervised Occupational Experience Program (Transparency Masters).	
VT 010 011	527	VI 009 952	486
Introduction to Teaching Vocational Industrial Subjects.		Business Locations (Transparency Masters).	
VT 010 039	529	VT 009 953	486
Organization and Management of Vocational Industrial Education.		Wholesaling (Transparency Masters).	
VT 010 040	529	VT 010 050	509
The Use of Instructional Aids.		Reading Script, Study Guide, and Printed Originals for Young Underfashions.	
VT 010 041	530	VT 010 051	510
Organizing and Teaching Accident Prevention Subjects.		Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	
VT 010 186	536		
Practice Teaching.			
TRAFFIC SAFETY		TRANSPORTATION	
VT 002 013	524	VT 009 997	527
Manual for the Instruction of School Bus Drivers of the State of New York.		Highway Drawing.	
TRAINING		VT 010 016	528
VT 004 680	548	Highway Design and Estimating.	
Inventory of Training Possibilities in Europe.		TREES	
VT 010 102	532	VT 010 167	472
Electricity for Electronics.		Common Forest Trees of North Carolina; How to Know Them.	
VT 010 103	532	UNIT PLAN	
Vacuum Tubes.		VT 000 386	498
VT 010 104	532	Learning Experiences for the Seventh and Eighth Grade Home-Living Program.	
Basic Amplifiers.		UNITS OF STUDY (SUBJECT FIELDS)	
VT 010 105	533	VT 008 200	504
Power Supplies.		Your Guide for Teaching Money Management.	
VT 010 106	533	VT 010 051	510
Basic Transistor Circuits and Applications.		Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	
VT 010 107	533	VT 010 404	513
Advanced Transistor Circuits and Applications.		Pattern Alteration: A Guide for Leaders in Clothing Programs.	
VT 010 108	534	VT 010 727	477
Audio Amplifying Systems.		Salesmanship in Agricultural Business.	
VT 010 120	534	VT 010 729	477
Essentials of Transistors and Semiconductors.		Determining Available Potassium in Soils.	
VT 010 121	535	VT 010 730	477
Oscillators.		Appraising Farm Buildings.	
VT 010 123	535	VACUUM TUBES	
Measuring Instruments.		VT 010 103	532
VT 010 553	492	Vacuum Tubes.	
Emergency Care of the Sick and Injured.		VISITING HOMEMAKERS	
TRANSISTOR CIRCUITS		VT 003 587	503
VT 010 106	533	Homemaker Service Training Syllabus.	
Basic Transistor Circuits and Applications.			
VT 010 107	533		
Advanced Transistor Circuits and Applications.			
TRANSISTORS AND SEMICONDUCTORS			
VT 010 120	534		
Essentials of Transistors and Semiconductors.			

## SUBJECT AND IDENTIFIER INDEX

	PAGE		PAGE
VOCATIONAL AGRICULTURE		VT 010 488	474
VT 000 275	464	Course of Study for Agricultural Conservation Education.	
A Training Program for Vocational Agriculture in Agricultural Service.		VT 010 540	475
VT 000 277	464	Individual Study Guide on Carturation.	
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		VT 010 599	475
VT 000 279	464	A Suggested Training Guide for Rice Production in Louisiana.	
A Training Program for Vocational Agriculture in Farm Service.		VT 010 689	476
VT 000 280	465	A Training Program for Vocational Agriculture in Dairy Production.	
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		VT 010 691	476
VT 000 281	465	Tractor, Diesel, and Farm Machinery Mechanics.	
A Training Program for Vocational Agriculture in Ornamental Horticulture.		VT 010 725	476
VT 000 367	465	Planning Your Farm Business.	
Beef Cattle Production, Sales and Service.		VT 010 729	477
VT 000 368	466	Determining Available Potassium in Soils.	
Beef Cattle Production, Sales and Service.		VT 010 730	477
VT 000 528	466	Appraising Farm Buildings.	
Suggestions for Orienting Vocational Agriculture Students to Employment Opportunities in Farm Based Businesses and Agencies.		VT 010 879 ED 038 538	478
VT 004 558	467	Greenhouse Crop Production; A Teacher's Manual.	
Student Teaching in Vocational Agriculture.		VT 010 880 ED 038 539	478
VT 005 831	468	Greenhouse Crop Production; A Student Handbook.	
Participating Experiences for Prospective Teachers of Vocational Agriculture.		VOCATIONAL EDUCATION	
VT 007 182 ED 037 521	468	VT 001 455	548
Transparency Masters for Crop and Weed Identification.		Teacher's Guide for a Model Program on Introduction to Vocations.	
VT 009 665	469	VT 009 894	549
Selected Reference Books for Departments of Vocational Agriculture.		A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.	
VT 009 666	469	VT 009 994 ED 037 535	549
Selected Bulletins for Departments of Vocational Agriculture.		A Guide for the Development of Curriculum in Vocational and Technical Education.	
VT 009 712	469	VT 010 276	522
Agricultural Business.		Basic Electricity, Theory and Practice.	
VT 009 713	470	VT 010 564	550
Ornamental Horticulture.		Curriculum Collection, Vocational-Technical Education.	
VT 009 715	470	WAITER WAITRESS TRAINING	
Agricultural Production.		VT 000 888	501
VT 009 716	471	A Sample Wage Earning Training Program for Waitress Training.	
Agricultural Machinery Service.		WAITRESSES	
VT 009 773	471	VT 009 332	505
Agricultural Science and Mechanics I and II.		You, the Waitress.	
VT 010 249	473	WARD CLERKS	
Arc Welding in Vocational Agriculture.		VT 002 597	490
VT 010 250	473	Health Occupations Planning Guide: Ward Secretary, Course No. 783.3.	
Gasoline Engines in Vocational Agriculture.		WEEDS	
VT 010 252	473	VT 007 182 ED 037 521	468
Woodworking in Vocational Agriculture.		Transparency Masters for Crop and Weed Identification.	



## SUBJECT AND IDENTIFIER INDEX

	PAGE	PAGE
WELDING		
VT 002 386	467	
Farm Arc Welding, Advanced; A Guide for Course Planning.		
VT 010 090	531	
Metal Trades; Suggested Basic Course Outline.		
WHOLESALE		
VT 009 953	486	
Wholesaling (Transparency Masters).		
WILLIAM HOOD DUNWOODY INDUSTRIAL INSTITUTE		
VT 004 677	525	
Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.		
WOODWORKING		
VT 010 252	473	
Woodworking in Vocational Agriculture.		
WORK EXPERIENCE PROGRAMS		
VT 000 888	501	
A Sample Wage Earning Training Program for Waitress Training.		
VT 000 889	501	
A Sample Wage Earning Training Program for Dry Cleaning and Laundry Aide.		
VT 000 891	501	
A Sample Wage Earning Training Program for Home Management Aide.		
VT 000 893	502	
A Sample Wage Earning Training Program for Short Order Cook.		
VT 010 513	543	
A Study Guide for Occupational Work Experience Students, First Semester.		
WORKBOOKS		
VT 010 725	476	
Planning Your Farm Business.		
YOUTH EMPLOYMENT		
VT 010 058      ED 038 496	549	
Manual for Youth Coordinators.		
YOUTH OPPORTUNITIES		
VT 010 068      ED 038 496	549	
Manual for Youth Coordinators.		
YOUTH PROBLEMS		
VT 009 166      ED 033 205	525	
Training Police for Work with Juveniles.		
YOUTH PROGRAMS		
VT 010 068      ED 038 496	549	
Manual for Youth Coordinators.		

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
ABILENE PUBLIC SCHOOLS, TEX.		VT 010 592	541
VT 000 352	498	Cosmetology.	
Homemaking Teachers' Guide; Grades		VT 010 667	491
9-12.		Dental Assistant.	
ADKINS, DOROTHY, AND OTHERS		VT 010 691	471
VT 000 107	496	Tractor, Diesel, and Farm	
Home Management, Vocational Home		Machinery Mechanics.	
Economics Guide.		ALCORN A AND M COLL., LORMAN, MISS.	
AGRICULTURAL RESEARCH SERVICE (DOA),		DIV. OF VOCATIONAL EDUCATION	
WASHINGTON, D.C.		VT 004 558	467
VT 009 943	506	Student Teaching in Vocational	
Clothing Repairs.		Agriculture.	
VT 010 404	513	AMERICAN ASSOCIATION FOR	
Pattern Alteration: A Guide for		AGRICULTURAL ENGINEERING AND	
Leaders in Clothing Programs.		VOCATIONAL AGRICULTURE, ATHENS, GA.	
AKRON PUBLIC SCHOOLS, OHIO		VT 010 426	473
VT 000 445	499	Building Farm Fences.	
Home Economics; Senior High School-		AMERICAN NATIONAL RED CROSS, NEW	
-Home Planning.		YORK, N.Y.	
VT 000 446	500	VT 008 294	491
Home Economics, Senior High School-		Home Nursing; Programmed	
-Foods.		Instruction. Instructor's Manual.	
VT 000 447	500	AMERICAN NATIONAL RED CROSS, NEW	
Home Economics, Senior High School-		YORK, N.Y. NURSING SERVICES	
-Clothing.		VT 008 295	491
ALABAMA STATE DEPT. OF EDUCATION,		Home Nursing; Programmed	
MONTGOMERY		Instruction. Student's Manual.	
VT 000 176	497	ED 038 487	
State Course of Study in Home		AMERICAN SOCIETY OF TOOL AND	
Economics for Junior and Senior		MANUFACTURING ENGINEERS, DEARBORN,	
High Schools in Alabama.		MICH.	
ALABAMA STATE DEPT. OF EDUCATION,		VT 008 762	548
MONTGOMERY. AGRICULTURAL EDUCATION		Suggested Two and Four-Year	
SERVICE		Curriculum in Manufacturing	
VT 000 367	465	Engineering Technology.	
Beef Cattle Production, Sales and		AMERICAN VOCATIONAL ASSOCIATION,	
Service.		WASHINGTON, D.C. CURRICULUM	
VT 000 308	466	MATERIALS COMMITTEE	
Beef Cattle Production, Sales and		VT 010 509	474
Service.		ED 038 507	
ALABAMA STATE DEPT. OF EDUCATION,		A Description and Source Listing	
MONTGOMERY. TRADE AND INDUSTRIAL		of Curriculum Materials in	
EDUCATION		Agricultural Education, 1969-1970.	
VT 010 589	493	ARIZONA UNIV., TUCSON. DEPT. OF	
Nurse's Aide. A Study Guide and		AGRICULTURAL EDUCATION	
Job Tests.		VT 009 665	469
ALABAMA UNIV., UNIVERSITY DEPT. OF		Selected Reference Books for	
TRADE AND INDUSTRIAL EDUCATION		Departments of Vocational	
VT 010 589	493	Agriculture.	
Nurse's Aide. A Study Guide and		VT 009 666	469
Job Tests.		Selected Bulletins for Departments	
ALABAMA UNIV., UNIVERSITY. DEPT. OF		of Vocational Agriculture.	
TRADE AND INDUSTRIAL EDUCATION		ASSOCIATION OF HOME APPLIANCE	
VT 010 581	493	MANUFACTURERS, CHICAGO, ILL.	
Clinical Laboratory Assistant, A		VT 010 575	515
Study Guide.		Frontiers and Fundamentals; A	
		Short Course in Appliance	
		Homemaking.	

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
BENT, EDWARD W. VT 010 553 Emergency Care of the Sick and Injured.	492	CAMPBELL, SALLY R. VT 010 053 A Guide to the Catalog and Other Community Resources for Consumer Education Classes.	510
BERGEN COUNTY VOCATIONAL AND TECHNICAL HIGH SCHOOL, HACKENSACK, N.J. VT 010 469 Basic Estimating for Masons.	542	CHAMPAIGN COMMUNITY UNIT 4 SCHOOL DISTRICT, ILL. CURRICULUM RESOURCE CENTER VT 001 896 Curriculum Plan for a Course in Family Living.	503
BOYD, FANNIE LEE VT 001 646 Teaching Family Finance.	502	CLARK, RAYMOND, AND OTHERS VT 001 432 Demonstrations in Ornamental Horticulture and Plant Science.	467
BOYKIN, WILLIAM C., SR., ED. VT 004 558 Student Teaching in Vocational Agriculture.	467	CLEANLINESS BUREAU, NEW YORK, N.Y. VT 000 875 A Guide to Housekeeping.	500
BURNS, JAMES L., AND OTHERS VT 000 277 A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.	464	CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER VT 009 941 Distributive Education II: Suggested Teaching Calendar.	485
VT 000 281 A Training Program for Vocational Agriculture in Ornamental Horticulture.	465	VT 009 952 Business Locations (Transparency Masters).	486
BURNS, VAN H., AND OTHERS VT 000 279 A Training Program for Vocational Agriculture in Farm Service.	464	VT 009 953 Wholesaling (Transparency Masters)	486
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO VT 004 150 Electromechanical Technology.	524	CLEMSON UNIV., S.C. VOCATIONAL EDUCATIONAL MEDIA CENTER VT 009 879 Orientation to and Planning for the Supervised Occupational Experience Program (Transparency Masters).	485
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF INDUSTRIAL EDUCATION VT 010 553 Emergency Care of the Sick and Injured.	492	CONSTRUCTION INDUSTRY TRAINING BOARD, BELFAST (NORTHERN IRELAND) VT 010 214 Training Recommendations: Plumbing Technician.	537
CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF HOME ECONOMICS VT 009 332 You, the Waitress.	505	VT 010 220 Training Recommendations: Heating and Ventilating Technicians.	537
CALIFORNIA UNIV., LOS ANGELES. DIV. OF VOCATIONAL EDUCATION VT 009 994 ED C37 535 A Guide for the Development of Curriculum in Vocational and Technical Education.	549	VT 010 221 Training Recommendations: Heating and Ventilating Apprentices.	538
VT 010 077 Programed Instruction: Distributive and Office Education.	487	VT 010 222 Training Recommendations: Apprentice Painters.	538
		VT 010 224 Training Recommendations: Electrical Installation Apprentices.	538
		VT 010 225 Training of General Foremen: Interim Recommendations.	539
		VT 010 226 Training Recommendations: Apprentice Carpenter and Joiner.	539

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
VT 010 227	539	ECWNER, HOWARD I.	
Training Recommendations: Building Technicians.		VT 010 229	472
VI 010 234	539	A Guide for Use in Planning Occupational Education Programs in Agricultural Resources.	
Training Recommendations: Apprentice Plasterer.		EASTERN WASHINGTON STATE COLL., CHENEY	
VT 010 236	540	VT 010 242	488
Training Recommendations: Apprentice Floor and Wall Tiler.		Mid-Management Teaching Innovations and Projects.	
COURSON, R.L.		VT 010 254	488
VI 010 729	477	Distributive Education Teaching Innovations and Projects.	
Determining Available Potassium in Soils.		EDMONTON DEPT. OF EDUCATION (ALBERTA)	
CUMBERLAND COUNTY INDUSTRIAL ARTS TEACHERS ASSOCIATION, PA.		VT 007 864	519
VT 009 779	521	Industrial Arts Graphic Communications 10, 20, 30.	
Industrial Testing; Industrial Arts Teaching Guide.		FIMIANO, RALPH, AND OTHERS	
DALLAS INDEPENDENT SCHOOL DISTRICT, TEX.		VT 009 997	527
VI 000 089	496	Highway Drawing.	
Home and Family Life Education for Secondary Schools and Adults; Curriculum Guide.		FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. TECHNICAL AND HEALTH OCCUPATIONS EDUCATION SECTION	
VI 009 706	520	VT 009 658	520
Metalworking; Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.		Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.	
DALTON, L.C.		VT 009 659	548
VI 010 249	473	Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.	
Arc Welding in Vocational Agriculture.		FOLENA, BRUCE	
VT 010 250	473	VT 010 477	543
Gasoline Engines in Vocational Agriculture.		Drafting-I.	
VI 010 252	473	FUTURE HOMEMAKERS OF AMERICA, WASHINGTON, D.C.	
Woodworking in Vocational Agriculture.		VT 010 665	515
DAYTON PUBLIC SCHOOLS, OHIO		An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	
VI 000 120	497	GASPARD, CURREN J., AND OTHERS	
Home Economics Course Outline, 9th, 10th, 11th, and 12th Grade.		VT 000 275	464
DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE		A Training Program for Vocational Agriculture in Agricultural Service.	
VT 010 231	472	GATONE, FELIX	
Suggestions for Integrating Forestry in the Modern Curriculum; A Conservation Teaching Aid.		VT 010 379	540
DEPARTMENT OF THE ARMY, WASHINGTON, D.C.		Air Conditioning and Heating Technology-II.	
VI 009 848	526	GEORGIA UNIV., ATHENS. COLL. OF EDUCATION	
Carpentry and Building Construction.		VT 001 646	502
EDNAIDSON, C. FRED, AND OTHERS		Teaching Family Finance.	
VI 000 280	465	HANSEN, E.L.	
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		VT 010 730	477
		Appraising Farm Buildings.	

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
HEALTH INSURANCE INST., NEW YORK, N.Y. EDUCATION DIV. VT 010 289	512	VT 010 727 Salesmanship in Agricultural Business.	477
A Date with Your Future; Money Management for the Young Adult.		VT 010 729 Determining Available Potassium in Soils.	477
HEDGES, CHARLES S. VT 007 384	518	VT 010 730 Appraising Farm Buildings.	477
Fluid Power in Plant and Field. Volume 1.		INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION.	
VT 007 439	518	VT 008 445	484
Industrial Fluid Power. Volume 1.		Distributive Education Handbook.	
VT 007 440	519	INSTRUCTIONAL MATERIALS SERVICE, KENNEDY, MINN.	
Industrial Fluid Power. Volume 2.		VT 008 796	520
VT 007 441	519	Organization and Administration Forms for Industrial Arts.	
Industrial Fluid Power. Volume 3.		INTERNATIONAL ASSOCIATION OF CHIEFS OF POLICE, WASHINGTON, D.C. RESEARCH AND DEVELOPMENT DIV.	
HEPPA, VICTOR VT 010 469	542	VT 009 166 ED 033 205	525
Basic Estimating for Masons.		Training Police for Work with Juveniles.	
HEPEST, J.H. VT 010 725	476	IOWA STATE UNIV., AMES. DEPT. OF EDUCATION	
Planning Your Farm Business.		VT 005 831	468
VT 010 727	477	Participating Experiences for Prospective Teachers of Vocational Agriculture.	
Salesmanship in Agricultural Business.		KIEHN, SHIRLEY VT 007 962 ED 029 960	504
HOLMES, J.S. VT 010 167	472	A Research Basis for Child Care Curriculum Development.	
Common Forest Trees of North Carolina; How to Know Them.		KOULTOUKIS, SCOTRIOS VT 010 390	541
HOUSEHOLD FINANCE CORP., CHICAGO, ILL. MONEY MANAGEMENT INST. VT 008 200	504	Basic Automotive Repair-I.	
Your Guide for Teaching Money Management.		KRISTY, JEAN VT 009 485 ED 033 227	491
HUICHINSON, JAMES VT 000 528	466	Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.	
Suggestions for Orienting Vocational Agriculture Students to Employment Opportunities in Farm Based Businesses and Agencies.		LEFKUS, THOMAS F. VT 010 474	542
IDAHO STATE BOARD FOR VOCATIONAL EDUCATION, BOISE. HOME ECONOMICS EDUCATION VT 008 371	505	Projects in Electricity-I.	
Family Finance and Consumer Education for Secondary Schools and Adult Education.		LEFLOFF COUNTY SCHOOL DISTRICT, GREENWOOD, MISS. VT 009 704	520
IDAHO STATE DEPT. OF EDUCATION, BOISE. DIV. OF INSTRUCTION VT 001 958	518	Arts and Crafts for K to 6.	
Industrial Arts Curriculum Planning Guide, Grades 7-12.		LEMMON, LOUISE VT 010 665	515
ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURAL SERVICE VT 010 715	476	An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	
Law for the Farmer.			
VT 010 725	476		
Planning Your Farm Business.			

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
LEWIS, H.N.		LOUISIANA STATE UNIV., BATON ROUGE.	
VT 000 367	465	VT 000 280	465
Beef Cattle Production, Sales and Service.		A Training Program for Vocational Agriculture in Farm Supplies and Equipment.	
VT 000 369	466		
Beef Cattle Production, Sales and Service.		LOUISIANA STATE UNIV., BATON ROUGE.	
LIFTON, MARKS, AND OTHERS		DEPT. OF VOCATIONAL AGRICULTURAL EDUCATION	
VT 001 087	480	VT 000 528	466
Syllabus and Teaching Suggestions for a Course in Secretarial Practice.		Suggestions for Orienting Vocational Agriculture Students to Employment Opportunities in Farm Based Businesses and Agencies.	
LONG BEACH CITY COLL., CALIF.		LOUISIANA STATE UNIV., BATON ROUGE.	
VT 002 455 ED 019 448	503	SCHOOL OF HOME ECONOMICS	
Long Beach City College Content Outlines for Courses in Home Economics-Related Occupations.		VT 003 587	503
		Homemaker Service Training Syllabus.	
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.		LOUISIANA STATE UNIV., BATON ROUGE.	
VT 000 275	464	SCHOOL OF VOCATIONAL EDUCATION	
A Training Program for Vocational Agriculture in Agricultural Service.		VT 010 599	475
VT 000 277	464	A Suggested Training Guide for Rice Production in Louisiana.	
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		VT 010 689	476
VT 000 279	464	A Training Program for Vocational Agriculture in Dairy Production.	
A Training Program for Vocational Agriculture in Farm Service.		MAINE BUSINESS EDUCATION ADVISORY COMMITTEE	
VT 000 280	465	VT 010 600	482
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		Business Education Curriculum Guide.	
VT 000 281	465	MCCLURE, W.W.	
A Training Program for Vocational Agriculture in Ornamental Horticulture.		VT 002 386	467
VT 010 595	475	Farm Arc Welding, Advanced; A Guide for Course Planning.	
A Suggested Training Guide for Rice Production in Louisiana.		MCDANIEL, LUCY V.	
VT 010 689	476	VT 009 485 ED 033 227	491
A Training Program for Vocational Agriculture in Dairy Production.		Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.	
LOUISIANA STATE UNIV., BATON ROUGE		MCENIFY, MARGARET, AND OTHERS	
VT 000 275	464	VT 000 094	496.
A Training Program for Vocational Agriculture in Agricultural Service.		Vocational Home Economics Cooperative Training Programs in Food Service for High Schools.	
VT 000 277	464	MICHIGAN STATE DEPT. OF EDUCATION, LANSING	
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		VT 009 970	509
VT 000 279	464	Michigan Bibliography of Resource Materials for Training in Home Economics Related Occupations.	
A Training Program for Vocational Agriculture in Farm Service.		MICHIGAN STATE UNIV., EAST LANSING.	
VT 000 281	465	COLL. OF EDUCATION	
A Training Program for Vocational Agriculture in Ornamental Horticulture.		VT 001 432	467
		Demonstrations in Ornamental Horticulture and Plant Science.	



## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
MIDDLESEX COUNTY VOCATIONAL AND TECHNICAL HIGH SCHOOLS, NEW BRUNSWICK, N.J.		MISSOURI UNIV., COLUMBIA. INSTRUCTIONAL MATERIALS LAB.	
VT 010 474	542	VT 010 266	481
Projects in Electricity-I.		Office Practices.	
MILLER, DWANE G., AND OTHERS		NASHVILLE-DAVIDSON COUNTY METROPOLITAN PUBLIC SCHOOLS, TENN.	
VI 007 182 ED C37 521	468	VT 000 090	496
Transparency Masters for Crop and Weed Identification.		Study Guide for Home Economics, Grade Eight.	
MILWAUKEE VOCATIONAL, TECHNICAL AND ADULT SCHOOLS, WIS. HOME ECONOMICS DIV.		NATIONAL COMMITTEE FOR CAREERS IN MEDICAL TECHNOLOGY, WASHINGTON, D.C.	
VT 000 891	501	VT 010 074	492
A Sample Wage Earning Training Program for Home Management Aide.		Curriculum Guides for Re-Training in Medical Technology.	
MILWAUKEE VOCATIONAL, TECHNICAL, AND ADULT SCHOOLS, WIS. HOME ECONOMICS DIV.		NATIONAL COUNCIL ON MEDICAL TECHNOLOGY EDUCATION, MEMPHIS, TENN.	
VT 000 888	501	VT 010 074	492
A Sample Wage Earning Training Program for Waitress Training.		Curriculum Guides for Re-Training in Medical Technology.	
VT 000 889	501	NATIONAL RESTAURANT ASSOCIATION, CHICAGO, ILL.	
A Sample Wage Earning Training Program for Dry Cleaning and Laundry Aide.		VT 010 198	487
VT 000 892	502	Training Food Service Personnel for the Hospitality Industry.	
A Sample Wage Earning Training Program for Child Day Care Aide.		NATIONAL SAFETY COUNCIL, CHICAGO, ILL.	
VT 000 893	502	VT 009 942 ED C35 733	521
A Sample Wage Earning Training Program for Short Order Cook.		An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL. VOCATIONAL EDUCATION SECTION		NEBRASKA STATE DEPT. OF EDUCATION, LINCOLN. HOME ECONOMICS EDUCATION	
VT 000 544	466	VT 000 395	499
A Program of Farm Management Education for Family Farm Operators.		Working Material in Teaching Housing.	
MINNESOTA UNIV., ST. PAUL. DEPT. OF AGRICULTURE EDUCATION		NEW JERSEY STATE DEPT. OF EDUCATION, TRENTON. DIV. OF VOCATIONAL EDUCATION	
VI 010 506 ED C38 506	474	VT 001 455	548
A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.		Teacher's Guide for a Model Program on Introduction to Vocations.	
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY		NEW MEXICO STATE BOARD FOR VOCATIONAL EDUCATION, UNIVERSITY PARK. DIV. OF HOME ECONOMICS	
VT 010 666	515	VT 010 244	512
Senior Home Economics: A Guide for Teachers.		Follow These Suggestions for Better Bulletin Boards.	
VT 010 667	515	NEW MEXICO STATE UNIV., UNIVERSITY PARK. AGRICULTURAL EDUCATION	
Home Nursing and Family Health: A Guide for Teachers.		VT 010 249	473
VT 010 668	516	Arc Welding in Vocational Agriculture.	
Basic Home Economics: A Guide for Teachers.		VT 010 250	473
VT 010 669	516	Gasoline Engines in Vocational Agriculture.	
Food Service: A Guide for Teachers.			
VT 010 670	516		
Housing and Interior Design: A Guide for Teachers.			

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
VT 010 252	473	VT 010 107	533
Woodworking in Vocational Agriculture.		Advanced Transistor Circuits and Applications.	
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.		VT 010 108	534
VT 001 315	480	Audio Amplifying Systems.	
Clerical Practice for High Schools.		VT 010 120	534
NEW YORK CITY BOARD OF EDUCATION, N.Y. BUREAU OF CURRICULUM DEVELOPMENT		Essentials of Transistors and Semiconductors.	
VT 008 286	505	VT 010 121	535
A Handbook for Teachers of Home Economics.		Oscillators.	
NEW YORK STATE EDUCATION DEPT., ALBANY		VT 010 122	535
VT 001 999	524	Radio Frequency Amplifiers.	
Advanced Training Course for School Bus Drivers.		VT 010 123	535
NEW YORK STATE EDUCATION DEPT., ALBANY.		Measuring Instruments.	
VT 002 013	524	VT 010 558 ED 037 566	482
Manual for the Instruction of School Bus Drivers of the State of New York.		Instructional Materials for Adult Business and Distributive Education.	
NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF BUSINESS AND DISTRIBUTIVE EDUCATION		NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF OCCUPATIONAL EXTENSION AND INDUSTRIAL SERVICES	
VT 001 087	480	VT 010 102	532
Syllabus and Teaching Suggestions for a Course in Secretarial Practice.		Electricity for Electronics.	
NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF CONTINUING EDUCATION CURRICULUM DEVELOPMENT		NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT	
VT 009 852	485	VT 010 442	513
Fashion Merchandising.		Home Economics Occupational Education. Child Care Services Training Guide.	
VT 005 965	480	NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT.	
Keypunch Machine Operation; A Suggested Adult Course Outline.		VT 010 207	481
VT 009 997	527	Handbook for Teachers of Business Management.	
Highway Drawing.		NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. ADULT BASIC EDUCATION	
VT 010 016	528	VT 000 875	500
Highway Design and Estimating.		A Guide to Housekeeping.	
VT 010 018	528	NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.	
Soils and Drainage.		VT 002 386	467
VT 010 069	487	Farm Arc Welding, Advanced; A Guide for Course Planning.	
Money Management and Banks.		NORTH CAROLINA STATE DEPT. OF CONSERVATION AND DEVELOPMENT, RALEIGH. DIV. OF FORESTRY	
VT 010 070	531	VT 010 167	472
Escalated Course of Study for Automobile Mechanics, Teacher's Guide.		Common Forest Trees of North Carolina; How to Know Them.	
VT 010 103	532	NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. TRADE AND INDUSTRIAL EDUCATION	
Vacuum Tubes.		VT 002 592	490
VT 010 104	532	Health Occupations Planning Guide, Medical Assistant.	
Basic Amplifiers.			
VT 010 105	533		
Power Supplies.			
VT 010 106	533		
Basic Transistor Circuits and Applications.			

	PAGE		PAGE
VT 002 597	490	OHIO STATE DEPT. OF EDUCATION, COLUMBUS. TRADE AND INDUSTRIAL EDUCATION SERVICES	
Health Occupations Planning Guide: Ward Secretary, Course No. 783.3.		VT 010 429	542
VT 002 598	490	Maintenance Man, Building; A Suggested Guide for a Training Course.	
Trade Preparatory Training Curriculum Guide: Nurses Assistant 2.		VT 010 512	543
O'CONNELL, JOHN J.		A Study Guide for Occupational Work Experience Students, Second Semester.	
VT 010 389	541	VT 010 513	543
The Internal Combustion Engine (Gasoline Engine).		A Study Guide for Occupational Work Experience Students, First Semester.	
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.			
VT 007 878 ED 028 262	468	OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION	
Forest Technology; A Suggested 2- Year Post High School Curriculum.		VT 010 488	474
VT 010 769 ED 038 528	545	Course of Study for Agricultural Conservation Education.	
Architectural and Building Construction Technology; A Suggested 2-Year Post High School Curriculum.		VT 010 540	475
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF ADULT, VOCATIONAL, AND LITERARY PROGRAMS		Individual Study Guide on Construction.	
VT 010 063	530	OHIO STATE UNIV., COLUMBUS. INSTRUCTIONAL MATERIALS LAB.	
Diesel Servicing.		VT 000 752	524
VT 010 676 ED 037 578	544	Introduction to Vocational Trade and Industrial Teaching--Planning.	
Electronics Mechanic, Entry; A Suggested Guide for a Training Course.		OKLAHOMA STATE BOARD OF VOCATIONAL AND TECHNICAL EDUCATION, STILLWATER. DIV. OF HOME ECONOMICS EDUCATION	
VT 010 677 ED 038 515	545	VT 010 566	514
Building Custodian; A Suggested Guide for a Training Course.		A Plan of Action for Adult Education.	
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF MANPOWER DEVELOPMENT AND TRAINING		VT 010 569	514
VT 010 162 ED 035 755	536	Consumer Education; The Management of Personal and Family Financial Resources.	
Waiter-Waitress; A Suggested Guide for a Training Course.		OKLAHOMA STATE DEPT. OF VOCATIONAL-TECHNICAL EDUCATION, STILLWATER. DIV. OF HOME ECONOMICS	
VT 010 326 ED 038 503	540	VT 010 568	514
Heavy Construction Equipment Mechanic; A Suggested Guide for a Training Course.		Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.	
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF VOCATIONAL AND TECHNICAL EDUCATION		OKLAHOMA STATE DEPT. OF VOCATIONAL-TECHNICAL EDUCATION, STILLWATER. TEACHING MATERIALS CENTER	
VT 010 198	487	VT 010 564	550
Training Food Service Personnel for the Hospitality Industry.		Curriculum Collection, Vocational- Technical Education.	
OHIO STATE DEPT. OF EDUCATION, COLUMBUS		ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, PARIS (PARIS)	
VT 000 094	496	VT 004 680	548
Vocational Home Economics Cooperative Training Programs in Food Service for High Schools.		Inventory of Training Possibilities in Europe.	

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
PALAK, RALPH L. VT 010 506 ED 038 506 A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	474	PORTLAND CEMENT ASSOCIATION, CHICAGO, ILL. VT 010 507 ED 037 572 Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.	54
PARSIPPANY-TROY HILLS BOARD OF EDUCATION, PARSIPPANY, N.J. CURRICULUM MATERIALS CENTER VT 009 525 Instructional Guide for Human Sexuality.	506	POST OFFICE DEPT., WASHINGTON, D.C. VT 010 288 Orientation and Craft Skill Training.	55
PASSAIC COUNTY VOCATIONAL AND TECHNICAL HIGH SCHOOL, PATERSON, N.J. VT 010 477 Drafting-I.	543	PRESIDENT'S COUNCIL ON YOUTH OPPORTUNITY, WASHINGTON, D.C. VT 010 068 ED 038 496 Manual for Youth Coordinators.	54
PICK, T.R. VT 010 729 Determining Available Potassium in Soils.	477	RAHNLOW, HAROLD F. VT 007 962 ED 029 960 A Research Basis for Child Care Curriculum Development.	504
PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK VT 010 879 ED 038 538 Greenhouse Crop Production; A Teacher's Manual. VT 010 880 ED 038 539 Greenhouse Crop Production; A Student Handbook.	478 478	RANCHO LOS AMIGOS HOSPITAL, INC., DOWNEY, CALIF. VT 009 485 ED 033 227 Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.	491
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF GENERAL AND ACADEMIC EDUCATION VT 009 779 Industrial Testing; Industrial Arts Teaching Guide.	521	RICHARDSON, JOE A. VT 010 249 Arc Welding in Vocational Agriculture. VT 010 250 Gasoline Engines in Vocational Agriculture. VT 010 252 Woodworking in Vocational Agriculture.	471 473 473
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF VOCATIONAL, TECHNICAL AND CONTINUING EDUCATION VT 010 511 An Instruction Guide for Teachers of Health Assistants.	492	ROAD TRANSPORT INDUSTRY TRAINING BOARD, BELFAST (NORTHERN IRELAND) VT 010 155 Training Programme for First Year Motor Vehicle Craft Apprentices.	536
PERSONS, EDGAR A. VT 010 506 ED 038 506 A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	474	ROCHESTER CITY SCHOOL DISTRICT, N.Y. DEPT. OF HOME ECONOMICS VT 000 339 Home Economics Guide, Seventh and Eighth Grade.	498
PHILIPS, D. IART VT 009 875 Bell and Sheet Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry.	526	ROYE, CHARLES W. VT 009 704 Arts and Crafts for K to 6.	520
PHOENIX UNION HIGH SCHOOL SYSTEM, ARIZ. VT 000 107 Home Management, Vocational Home Economics Guide.	496	RUTGERS, THE STATE UNIV., NEW BRUNSWICK, N.J. CURRICULUM LAB. VT 009 969 Basic Electricity. Direct Current Generators, Motors, and Controllers. VT 010 276 Basic Electricity, Theory and Practice.	526 522

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
VT 010 379 Air Conditioning and Heating Technology-II.	540	SEARS, ROEBUCK AND CO., SKOKIE, ILL. CONSUMER INFORMATION SERVICES	
VT 010 389 The Internal Combustion Engine (Gasoline Engine).	541	VT 010 051	510
VT 010 390 Basic Automotive Repair-I.	541	Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	
VT 010 469 Basic Estimating for Masons.	542	VT 010 052	510
VT 010 474 Projects in Electricity-I.	542	Silhouettes of Fashion.	
SAINT CLOUD AREA VOCATIONAL SCHOOL, MINN.		VT 010 064	511
VT 000 544 A Program of Farm Management Education for Family Farm Operators.	466	Fashions in Dining.	
SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOLS, GA.		VT 010 124	511
VT 000 121 Curriculum Guide for Homemaking Education.	497	Consumer Information Learning Aids. Hidden Value Series.	
SCARITO, SALVATORE		VT 010 126	511
VT 010 389 The Internal Combustion Engine (Gasoline Engine).	541	Color in Home Furnishings.	
SCARITO, SLAVATCHE		VT 010 127	512
VT 010 390 Basic Automotive Repair-I.	541	On Your Way...To Brighter Wash Days.	
SCHUBERT, GENEVIEVE W.		SELLERS, L.I.	
VT 000 888 A Sample Wage Earning Training Program for Waitress Training.	501	VT 000 367	465
VT 000 891 A Sample Wage Earning Training Program for Home Management Aide.	501	Beef Cattle Production, Sales and Service.	
VT 000 892 A Sample Wage Earning Training Program for Child Day Care Aide.	502	VT 000 368	466
VT 000 893 A Sample Wage Earning Training Program for Short Order Cook.	502	Beef Cattle Production, Sales and Service.	
SEARS, ROEBUCK AND CO., SKOKIE, ILL.		SHAFER, PAULINE	
VT 010 053 A Guide to the Catalog and Other Community Resources for Consumer Education Classes.	510	VT 009 332	505
SEARS, ROEBUCK AND CO., SKOKIE, ILL. CONSUMER INFORMATION SERVICE		You, the Waitress.	
VT 010 050 Reading Script, Study Guide, and Printed Originals for Young Underfashions.	509	SKOGG, EMERY L.	
		VT 004 677	525
		Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.	
		SKUSE, HARLAND G.	
		VT 009 969	526
		Basic Electricity. Direct Current Generators, Motors, and Controllers.	
		VT 010 276	522
		Basic Electricity, Theory and Practice.	
		SOMERSET COUNTY TECHNICAL INST., SCHIFFVILLE, N.J.	
		VT 010 379	540
		Air Conditioning and Heating Technology-II.	
		SORGAN, RAYC, AND OTHERS	
		VT 000 113	497
		Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.	
		STANFORD PUBLIC SCHOOLS, CONY.	
		VT 000 118	497
		Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.	
		STEELE, HILDA HODGSON, AND OTHERS	
		VT 000 120	497
		Home Economics Course Outline, 9th, 10th, 11th, and 12th Grade.	

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
SUPER MARKET INST., CHICAGO, ILL.		VT 009 963	ED 037 532
VT 009 991	486	Child Care Aide.	50
Index of Super Market Articles 1968.		VT 009 964	ED 037 533
		Home Furnishings Aide.	50
TEAGUE, BEN			
VT 000 135	484	TEXAS UNIV., AUSTIN. DEPT. OF	
Arithmetic for Distribution.		DISTRIBUTIVE EDUCATION	
		VT 000 049	48
TENNESSEE UNIV., MARTIN		Principles of Management.	
VT 010 229	472	VT 000 135	48
A Guide for Use in Planning		Arithmetic for Distribution.	
Occupational Education Programs in			
Agricultural Resources.			
		TEXAS UNIV., AUSTIN. DIV. OF	
TEXAS A AND M UNIV., COLLEGE		EXTENSION	
STATION. ENGINEERING EXTENSION		VT 010 030	52
SERVICE		Organization and Management of	
VT 009 875	526	Vocational Industrial Education.	
Bell and Spicket Pipe for		VT 010 040	52
Apprentice Training in the		The Use of Instructional Aids.	
Plumbing and Pipe Fitting Industry.		VT 010 041	53
VT 010 010	527	Organizing and Teaching Accident	
Course Organization and Planning.		Prevention Subjects.	
VT 010 011	527		
Introduction to Teaching		THOMAS A. EDISON VOCATIONAL AND	
Vocational Industrial Subjects.		TECHNICAL HIGH SCHOOL, ELIZABETH,	
VT 010 030	529	N.J.	
Auto Body Repair and Painting;		VT 009 969	526
Suggested Basic Course Outline.		Basic Electricity. Direct Current	
VT 010 039	529	Generators, Motors, and	
Organization and Management of		Controllere.	
Vocational Industrial Education.		VT 010 276	527
VT 010 040	529	Basic Electricity, Theory and	
The Use of Instructional Aids.		Practice.	
VT 010 041	530		
Organizing and Teaching Accident		THOMAS, J.R., ED.	
Prevention Subjects.		VT 010 592	544
VT 010 043	530	Cosmetology.	
Refrigeration and Air			
Conditioning; Suggested Basic		TUCKER, CLARA	
Course Outline.		VT 003 587	503
VT 010 090	531	Homeaker Service Training Syllabus.	
Metal Trades; Suggested Basic			
Course Outline.		TULSA PUBLIC SCHOOLS, OKLA. DEPT. OF	
VT 010 186	536	INDUSTRIAL ARTS AND	
Practice Teaching.		VOCATIONAL-TECHNICAL EDUCATION	
		VT 009 899	521
TEXAS A AND M UNIV., COLLEGE		A Tentative Guide for Implementing	
STATION. FIREMEN TRAINING SCHOOL		Industrial Arts Education.	
VT 010 193	537	Curriculum Guide 1.	
Fire Department Pump Operation;			
Instructor's Guide.		TULSA PUBLIC SCHOOLS, OKLA. DEPT. OF	
		INDUSTRIAL ARTS AND	
TEXAS TECH UNIV., LUBBOCK. HOME		VOCATIONAL-TECHNICAL EDUCATION	
ECONOMICS INSTRUCTIONAL MATERIALS		VT 009 894	549
CENTERS		A Tentative Guide for Implementing	
VT 009 958	ED 037 527	Vocational and Technical	
Dietitian Aide.	506	Education. Curriculum Guide 2.	
VT 009 959	ED 037 528		
Home Economics Cooperative Education.	507	VJETT, MICHAEL T., ED.	
VT 009 960	ED 037 529	VT 008 445	484
Housekeeping Management Assistant.	507	Distributive Education Handbook.	
VT 009 961	ED 037 530		
Food Service Employee.	508	VIRGINIA POLYTECHNIC INST.,	
VT 009 962	ED 037 531	BLACKSBURG. AGRICULTURAL ED	
Clothing Assistant.	508	VT 009 712	469
		Agricultural Business.	



## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE		PAGE
VT 009 713 Ornamental Horticulture.	470	WASHINGTON STATE BOARD FOR VOCATIONAL EDUCATION, OLYMPIA. HOME AND FAMILY LIFE DIV.	
VT 009 714 A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	470	VT 000 386	498
VT 009 715 Agricultural Production.	470	Learning Experiences for the Seventh and Eighth Grade Home- Living Program.	
VT 009 716 Agricultural Machinery Service.	471	WASHINGTON STATE BOARD FOR VOCATIONAL EDUCATION, OLYMPIA. HOME AND FAMILY LIFE EDUCATION	
VT 009 773 Agricultural Science and Mechanics I and II.	471	VT 000 387	499
VIRGINIA POLYTECHNIC INST., BLACKSBURG. AGRICULTURAL EDUCATION		Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes.	
VT 009 712	469	WASHINGTON STATE COORDINATING COUNCIL FOR OCCUPATIONAL EDUCATION, OLYMPIA	
Agricultural Business.		VT 007 182 ED 037 521	468
VT 009 713 Ornamental Horticulture.	470	Transparency Masters for Crop and Weed Identification.	
VT 009 714 A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	470	WASHINGTON STATE UNIV., PULLMAN	
VT 009 715 Agricultural Production.	470	VT 007 182 ED 037 521	468
VT 009 716 Agricultural Machinery Service.	471	Transparency Masters for Crop and Weed Identification.	
VT 009 773 Agricultural Science and Mechanics I and II.	471	WATSON, NELSON A.	
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE		VT 009 166 ED 033 205	525
VT 009 712	469	Training Police for Work with Juveniles.	
Agricultural Business.		WESTERN TAPE, MOUNTAIN VIEW, CALIF. BUSINESS EDUCATION DEPT.	
VT 009 713 Ornamental Horticulture.	470	VT 010 208	481
VT 009 714 A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	470	Audio Aids for Business Education, 1970.	
VT 009 715 Agricultural Production.	470	WILLIAMS, WILLIAM A.	
VT 009 716 Agricultural Machinery Service.	471	VT 009 942 ED 035 733	521
VT 009 773 Agricultural Science and Mechanics I and II.	471	An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
WALKER, HELEN		WCRACK MACHINE SUPPLY CO., DALLAS, TEX.	
VT 001 396	503	VT 007 384	518
Curriculum Plan for a Course in Family Living.		Fluid Power in Plant and Field. Volume 1.	
WALKER, ROBERT N.		VT 007 439	518
VT 009 166 ED 033 205	525	Industrial Fluid Power. Volume 1.	
Training Police for Work with Juveniles.		VT 007 440	519
WASHINGTON RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION, OLYMPIA		Industrial Fluid Power. Volume 2.	
VT C10 254	488	VT 007 441	519
Distributive Education Teaching Innovations and Projects.		Industrial Fluid Power. Volume 3.	
		WCRACK, R.C.	
		VT 007 384	518
		Fluid Power in Plant and Field. Volume 1.	

## PERSONAL AND INSTITUTIONAL AUTHOR INDEX

	PAGE	PAG
WYOMING STATE DEPT. OF EDUCATION, CHEYENNE		
VT 002 062	503	
Suggestions for the Teaching of Personal and Family Finance.		
YAUGER, RUTH, AND OTHERS		
VT 000 445	499	
Home Economics; Senior High School- -Home Planning.		
VT 000 446	500	
Home Economics, Senior High School- -Foods.		
VT 000 447	530	
Home Economics, Senior High School- -Clothing.		
YONKERS PUBLIC LIBRARY, N.Y.		
VT 010 364      ED 037 560	512	
Consumer Education Bibliography.		

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VT 000 049	484	VT 000 339	498
Principles of Management.		Home Economics Guide, Seventh and Eighth Grade.	
VT 000 089	496	VT 000 352	498
Home and Family Life Education for Secondary Schools and Adults; Curriculum Guide.		Homemaking Teachers' Guide; Grades 9-12.	
VT 000 094	496	VT 000 367	465
Vocational Home Economics Cooperative Training Programs in Food Service for High Schools.		Beef Cattle Production, Sales and Service.	
VT 000 098	496	VT 000 368	466
Study Guide for Home Economics, Grade Eight.		Beef Cattle Production, Sales and Service.	
VT 000 107	496	VT 000 386	490
Home Management, Vocational Home Economics Guide.		Learning Experiences for the Seventh and Eighth Grade Home-Living Program.	
VT 000 118	497	VT 000 387	499
Home Arts Education. Curriculum Guide, Grade Seven Through Grade Twelve.		Guidelines for Teaching the House and Its Management in Relation to the Family in Junior and Senior High School Homemaking Classes.	
VT 000 120	497	VT 000 389	499
Home Economics Course Outline, 9th, 10th, 11th, and 12th Grade.		Working Material in Teaching Housing.	
VT 000 121	497	VT 000 445	499
Curriculum Guide for Homemaking Education.		Home Economics: Senior High School--Home Planning.	
VT 000 135	484	VT 000 446	500
Arithmetic for Distribution.		Home Economics, Senior High School--Food.	
VT 000 176	497	VT 000 447	500
ED C36 487 State Course of Study in Home Economics for Junior and Senior High Schools in Alabama.		Home Economics, Senior High School--Clothing.	
VT 000 275	464	VT 000 528	466
A Training Program for Vocational Agriculture in Agricultural Service.		Suggestions for Orienting Vocational Agriculture Students to Employment Opportunities in Farm Based Businesses and Agencies.	
VT 000 277	464	VT 000 544	466
A Training Program for Vocational Agriculture in Crops, Forestry, and Soil Conservation.		A Program of Farm Management Education for Family Farm Operators.	
VT 000 279	464	VT 000 752	524
A Training Program for Vocational Agriculture in Farm Service.		Introduction to Vocational Trade and Industrial Teaching--Planning.	
VT 000 280	465	VT 000 875	500
A Training Program for Vocational Agriculture in Farm Supplies and Equipment.		A Guide to Housekeeping.	
VT 000 281	465	VT 000 888	501
A Training Program for Vocational Agriculture in Ornamental Horticulture.		A Sample Wage Earning Training Program for Waitress Training.	

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VT 000 889	501	VT 002 597	490
A Sample Wage Earning Training Program for Dry Cleaning and Laundry Aide.		Health Occupations Planning Guide: Ward Secretary, Course No. 783.3.	
VT 000 891	501	VT 002 598	490
A Sample Wage Earning Training Program for Home Management Aide.		Trade Preparatory Training Curriculum Guide: Nurses Assistant 2.	
VT 000 892	502	VT 003 587	503
A Sample Wage Earning Training Program for Child Day Care Aide.		Homemaker Service Training Syllabus.	
VT 000 893	502	VT 004 150	524
A Sample Wage Earning Training Program for Short Order Cook.		Electromechanical Technology.	
VT 001 087	480	VT 004 558	467
Syllabus and Teaching Suggestions for a Course in Secretarial Practice.		Student Teaching in Vocational Agriculture.	
VT 001 315	480	VT 004 677	525
Clerical Practice for High Schools.		Mathematics for Technology--an Arithmetic Textbook for Students in Trade and Technical Education.	
VT 001 432	467	VT 004 680	548
Demonstrations in Ornamental Horticulture and Plant Science.		Inventory of Training Possibilities in Europe.	
VT 001 455	548	VT 005 831	468
Teacher's Guide for a Model Program on Introduction to Vocations.		Participating Experiences for Prospective Teachers of Vocational Agriculture.	
VT 001 646	502	VT 007 182 ED 037 521	468
Teaching Family Finance.		Transparency Masters for Crop and Weed Identification.	
VT 001 896	503	VT 007 384	518
Curriculum Plan for a Course in Family Living.		Fluid Power in Plant and Field. Volume 1.	
VT 001 958	518	VT 007 419	518
Industrial Arts Curriculum Planning Guide, Grades 7-12.		Industrial Fluid Power. Volume 1.	
VT 001 999	524	VT 007 440	519
Advanced Training Course for School Bus Drivers.		Industrial Fluid Power. Volume 2.	
VT 002 013	524	VT 007 441	519
Manual for the Instruction of School Bus Drivers of the State of New York.		Industrial Fluid Power. Volume 3.	
VT 002 062	503	VT 007 864	519
Suggestions for the Teaching of Personal and Family Finance.		Industrial Arts Graphic Communications 10, 20, 30.	
VT 002 386	467	VT 007 878 ED 028 268	468
Farm Arc Welding, Advanced; A Guide for Course Planning.		Forest Technology; A Suggested 2-Year Post High School Curriculum.	
VT 002 455 ED 019 448	503	VT 007 962 ED 029 960	504
Long Beach City College Content Outlines for Courses in Home Economics-Related Occupations.		A Research Basis for Child Care Curriculum Development.	
VT 002 592	490	VT 008 200	504
Health Occupations Planning Guide, Medical Assistant.		Your Guide for Teaching Money Management.	

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VI 008 286	505	VI 009 706	520
A Handbook for Teachers of Home Economics.		Metalworking; Vocational-Industrial Education Curriculum Guide. Curriculum Bulletin Series.	
VI 008 294	491	VI 009 712	469
Home Nursing; Programmed Instruction. Instructor's Manual.		Agricultural Business.	
VI 008 295	491	VI 009 713	470
Home Nursing; Programmed Instruction. Student's Manual.		Ornamental Horticulture.	
VI 008 371	505	VI 009 714	470
Family Finance and Consumer Education for Secondary Schools and Adult Education.		A Planning Guide for Agricultural Education Programs in Virginia's Public Schools.	
VI 008 445	484	VI 009 715	470
Distributive Education Handbook.		Agricultural Production.	
VI 008 762	548	VI 009 716	471
Suggested Two and Four-Year Curriculum in Manufacturing Engineering Technology.		Agricultural Machinery Service.	
VI 008 796	520	VI 009 773	471
Organization and Administration Forms for Industrial Arts.		Agricultural Science and Mechanics I and II.	
VI 009 165 ED 033 205	525	VI 009 779	521
Training Police for Work with Juveniles.		Industrial Testing; Industrial Arts Teaching Guide.	
VI 009 332	505	VI 009 848	526
You, the Waitress.		Carpentry and Building Construction.	
VI 009 465 ED 033 227	491	VI 009 852	485
Brain and Nerves of the Human Body: A Programmed Text and Plate Booklet for Physical Therapy Aides.		Fashion Merchandising.	
VI 009 525	506	VI 009 875	526
Instructional Guide for Human Sexuality.		Pell and Spigot Pipe for Apprentice Training in the Plumbing and Pipe Fitting Industry.	
VI 009 658	520	VI 009 879	485
Guidelines for Establishing and Evaluating Drafting and Design Technology Programs.		Orientation to and Planning for the Supervised Occupational Experience Program (Transparency Masters).	
VI 009 659	548	VI 009 894	549
Guidelines for Establishing and Evaluating Civil Engineering Technology Programs.		A Tentative Guide for Implementing Vocational and Technical Education. Curriculum Guide 2.	
VI 009 665	469	VI 009 899	521
Selected Reference Packs for Departments of Vocational Agriculture.		A Tentative Guide for Implementing Industrial Arts Education. Curriculum Guide 1.	
VI 009 666	469	VI 009 941	485
Selected Bulletins for Departments of Vocational Agriculture.		Distributive Education II; Suggested Teaching Calendar.	
VI 009 704	520	VI 009 942 ED 035 733	521
Arts and Crafts for K to 6.		An Accident Prevention Program for School Shops and Laboratories; A Suggested Guide for School Administrators.	
		VI 009 943	506
		Clothing Repairs.	

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VI 009 952 Business Locations (Transparency Masters).	486	VI 010 030 Auto Body Repair and Painting; Suggested Basic Course Outline.	529
VI 009 953 Wholesaling (Transparency Masters).	486	VI 010 039 Organization and Management of Vocational Industrial Education.	529
VI 009 958 ED 037 527 Dietitian Aide.	506	VI 010 040 The Use of Instructional Aids.	529
VI 009 959 ED 037 528 Home Economics Cooperative Education.	507	VI 010 041 Organizing and Teaching Accident Prevention Subjects.	530
VI 009 960 ED 037 529 Housekeeping Management Assistant.	507	VI 010 043 Refrigeration and Air Conditioning; Suggested Basic Course Outline.	530
VI 009 961 ED 037 530 Food Service Employee.	508	VI 010 050 Reading Script, Study Guide, and Printed Originals for Young Underfashions.	509
VI 009 962 ED 037 531 Clothing Assistant.	508	VI 010 051 Your Space Age Kitchen; Study Guide, Printed Originals, and Reading Script.	510
VI 009 963 ED 037 532 Child Care Aide.	508	VI 010 052 Silhouettes of Fashion.	510
VI 009 964 ED 037 533 Home Furnishings Aide.	509	VI 010 053 A Guide to the Catalog and Other Community Resources for Consumer Education Classes.	510
VI 009 965 KeyPunch Machine Operation; A Suggested Adult Course Outline.	480	VI 010 063 Diesel Servicing.	530
VI 009 969 Basic Electricity. Direct Current Generators, Motors, and Controllers.	526	VI 010 064 Fashions in Dining.	511
VI 009 970 Michigan Bibliography of Resource Materials for Training in Home Economics Related Occupations.	509	VI 010 068 ED 038 456 Manual for Youth Coordinators.	549
VI 009 991 Index of Super Market Articles 1968.	486	VI 010 069 Money Management and Banks.	487
VI 009 994 ED 037 535 A Guide for the Development of Curriculum in Vocational and Technical Education.	549	VI 010 070 Escalated Course of Study for Automobile Mechanics, Teacher's Guide.	531
VI 009 997 Highway Drawing.	527	VI 010 074 Curriculum Guides for Re-Training in Medical Technology.	492
VI 010 010 Course Organization and Planning.	527	VI 010 077 Programed Instruction: Distributive and Office Education.	487
VI 010 011 Introduction to Teaching Vocational Industrial Subjects.	527	VI 010 090 Retail Trades; Suggested Basic Course Outline.	531
VI 010 016 Highway Design and Estimating.	528	VI 010 102 Electricity for Electronics.	532
VI 010 019 Scale and Drainage.	528		



## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VT 010 103 Vacuum Tubes.	532	VT 010 207 Handbook for Teachers of Business Management.	481
VT 010 104 Basic Amplifiers.	532	VT 010 208 Audio Aids for Business Education, 1970.	481
VT 010 105 Power Supplies.	533	VT 010 214 Training Recommendations: Plumbing Technician.	537
VT 010 106 Basic Transistor Circuits and Applications.	533	VT 010 220 Training Recommendations: Heating and Ventilating Technicians.	537
VT 010 107 Advanced Transistor Circuits and Applications.	533	VT 010 221 Training Recommendations: Heating and Ventilating Apprentices.	538
VT 010 108 Audio Amplifying Systems.	534	VT 010 222 Training Recommendations: Apprentice Painters.	538
VT 010 120 Essentials of Transistors and Semiconductors.	534	VT 010 224 Training Recommendations: Electrical Installation Apprentices.	538
VT 010 121 Oscillators.	535	VT 010 225 Training of General Foremen: Interim Recommendations.	539
VT 010 122 Radio Frequency Amplifiers.	535	VT 010 226 Training Recommendations: Apprentice Carpenter and Joiner.	539
VT 010 123 Measuring Instruments.	535	VT 010 227 Training Recommendations: Building Technicians.	539
VT 010 124 Consumer Information Learning Aids. Hidden Valve Series.	511	VT 010 229 A Guide for Use in Planning Occupational Education Programs in Agricultural Resources.	472
VT 010 126 Color in Home Furnishings.	511	VT 010 231 Suggestions for Integrating Forestry in the Modern Curriculum: A Conservation Teaching Aid.	472
VT 010 127 On Your Way...to Brighter Wash Days.	512	VT 010 234 Training Recommendations: Apprentice Plasterer.	539
VT 010 155 Training Programme for First Year Motor Vehicle Craft Apprentices.	536	VT 010 236 Training Recommendations: Apprentice Floor and Wall Tiler.	540
VT 010 162 ED C35 755 Waiter-Waitress: A Suggested Guide for a Training Course.	536	VT 010 242 Mid-Management Teaching Innovations and Projects.	488
VT 010 167 Cotton Forest Trees of North Carolina: How to Know Them.	472	VT 010 244 Follow These Suggestions for Better Bulletin Boards.	512
VT 010 186 Practice Teaching.	536		
VT 010 193 Fire Department Fund Operations: Instructor's Guide.	537		
VT 010 198 Training Food Service Personnel for the Hospitality Industry.	487		

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VT 010 249 Arc Welding in Vocational Agriculture.	473	VT 010 474 Projects in Electricity-I.	542
VT 010 250 Gasoline Engines in Vocational Agriculture.	473	VT 010 477 Drafting-I.	543
VT 010 252 Woodworking in Vocational Agriculture.	473	VT 010 488 Course of Study for Agricultural Conservation Education.	474
VT 010 254 Distributive Education Teaching Innovations and Projects.	488	VT 010 506 ED 038 506 A Course of Study for Adult Farmer Instruction in Farm Management and Farm Business Analysis.	474
VT 010 266 Office Practices.	481	VT 010 509 ED 038 507 A Description and Source Listing of Curriculum Materials in Agricultural Education, 1969-1970.	474
VT 010 276 Basic Electricity, Theory and Practice.	522	VT 010 511 An Instruction Guide for Teachers of Health Assistants.	492
VT 010 288 Orientation and Craft Skill Training.	550	VT 010 512 A Study Guide for Occupational Work Experience Students, Second Semester.	543
VT 010 289 A Date with Your Future: Money Management for the Young Adult.	512	VT 010 513 A Study Guide for Occupational Work Experience Students, First Semester.	543
VT 010 326 ED 038 503 Heavy Construction Equipment Mechanics: A Suggested Guide for a Training Course.	540	VT 010 540 Individual Study Guide on Carturetion.	475
VT 010 364 ED 037 560 Consumer Education Bibliography.	512	VT 010 553 Emergency Care of the Sick and Injured.	492
VT 010 379 Air Conditioning and Heating Technology-II.	540	VT 010 558 ED 037 566 Instructional Materials for Adult Business and Distributive Education.	482
VT 010 389 The Internal Combustion Engine (Gasoline Engine).	541	VT 010 564 Curriculum Collection, Vocational-Technical Education.	550
VT 010 390 Basic Automotive Repair-I.	541	VT 010 566 A Plan of Action for Adult Education.	514
VT 010 404 Pattern Alteration: A Guide for Leaders in Clothing Programs.	513	VT 010 568 Course for Cooks in Nursing Homes and Small Hospitals. Instructor's Manual.	514
VT 010 426 Building Farm Fences.	473	VT 010 569 Consumer Education: The Management of Personal and Family Financial Resources.	514
VT 010 429 Maintenance Plan, Building: A Suggested Guide for a Training Course.	542	VT 010 575 Frontiers and Fundamentals: A Short Course in Appliance Repairing.	515
VT 010 442 Home Economics Occupational Education. Child Care Services Training Guide.	513		
VT 010 469 Basic Estimating for Plasters.	542		

## DOCUMENT NUMBER INDEX

	PAGE		PAGE
VT 010 581 Cllrical Laboratory Assistant, A Study Guide.	493	VT 010 715 Law for the Farmer.	476
VT 010 589 Nurse's Aide. A Study Guide and Job Tests.	493	VT 010 725 Planning Your Farm Business.	476
VT 010 592 Cosmetology.	544	VT 010 727 Salesmanship in Agricultural Business.	477
VT 010 599 A Suggested Training Guide for Rice Production in Louisiana.	475	VT 010 729 Determining Available Potassium in Soils.	477
VT 010 600 Business Education Curriculum Guide.	482	VT 010 730 Appraising Farm Buildings.	477
VT 010 607      ED 037 572 Results of Phase I of the Development of Course Content and Teaching Guides for a Total Curriculum in Concrete Technology. Interim Report.	544	VT 010 769      ED 038 528 Architectural and Building Construction Technology: A Suggested 2-Year Post High School Curriculum.	545
VT 010 665 An Adviser's Guide to Help Future Homemakers of America Evaluate Their Own Growth.	515	VT 010 879      ED 038 538 Greenhouse Crop Production; A Teacher's Manual.	478
VT 010 666 Senior Home Economics: A Guide for Teachers.	515	VT 010 880      ED 038 539 Greenhouse Crop Production; A Student Handbook.	478
VT 010 667 Home Nursing and Family Health: A Guide for Teachers.	515		
VT 010 668 Basic Home Economics: A Guide for Teachers.	516		
VT 010 669 Food Service: A Guide for Teachers.	516		
VT 010 670 Housing and Interior Design: A Guide for Teachers.	516		
VT 010 676      ED 037 578 Electronics Mechanic, Entry: A Suggested Guide for a Training Course.	544		
VT 010 677      ED 038 515 Building Custodian: A Suggested Guide for a Training Course.	545		
VT 010 687 Dental Assistant.	493		
VT 010 689 A Training Program for Vocational Agriculture in Dairy Production.	476		
VT 010 691 Tractor, Diesel, and Farm Machinery Mechanics.	476		

CONVERSION OF DOCUMENT NUMBER INDEX<sup>1</sup>

2

VT NUMBERS CONVERTED TO ED NUMBERS OR MP NUMBERS

VT 000 176	ED 038 487	VT 008 527	ED 030 721
VT 001 950	ED 023 786	VT 008 562	ED 033 195
VT 001 361	ED 026 455	VT 008 791	ED 030 744
VT 002 455	ED 019 448	VT 008 794	ED 030 745
VT 002 559	ED 032 381	VT 008 931	ED 031 581
VT 005 713	ED 019 523	VT 009 072	ED 031 594
VT 006 188	ED 029 946	VT 009 166	ED 033 205
VT 007 182	ED 037 521	VT 009 291	ED 034 024
VT 007 228	ED 029 951	VT 009 314	ED 032 428
VT 007 687	ED 029 953	VT 009 485	ED 033 227
VT 007 699	ED 027 400	VT 009 490	ED 033 231
VT 007 820	ED 029 955	VT 009 590	ED 034 037
VT 007 844	ED 031 554	VT 009 603	ED 034 038
VT 007 853	ED 031 555	VT 009 771	ED 034 847
VT 007 857	ED 031 556	VT 009 856	ED 034 074
VT 007 858	ED 031 557	VT 009 857	ED 034 075
VT 007 859	ED 031 558	VT 009 873	ED 034 868
VT 007 860	ED 031 559	VT 009 931	ED 034 877
VT 007 861	ED 031 560	VT 009 942	ED 035 733
VT 007 878	ED 028 268	VT 009 958	ED 037 527
VT 007 962	ED 029 960	VT 009 959	ED 037 528
VT 008 079	ED 029 961	VT 009 960	ED 037 529
VT 008 226	ED 030 714	VT 009 961	ED 037 530
VT 008 234	ED 029 131	VT 009 962	ED 037 531
VT 008 269	ED 026 273	VT 009 963	ED 037 532
VT 008 311	ED 029 136	VT 009 964	ED 037 533
VT 008 333	ED 029 138	VT 009 994	ED 037 535
VT 008 473	ED 029 974	VT 010 017	ED 035 734
VT 008 486	ED 031 565	VT 010 068	ED 038 496
VT 008 492	ED 029 975	VT 010 095	ED 034 891

1 This index is cumulated annually beginning with the Fall issue of AIM.

2 Any document with an MP number is available from EDRS by using the appropriate MP number.

CONVERSION OF DOCUMENT NUMBER INDEX

VT NUMBERS CONVERTED TO ED NUMBERS OR MP NUMBERS

VT 010 138	ED 035 746
VT 010 139	ED 035 747
VT 010 140	ED 035 748
VT 010 141	ED 035 749
VT 010 150	ED 035 751
VT 010 151	ED 035 752
VT 010 152	ED 035 753
VT 010 162	ED 035 755
VT 010 326	ED 038 503
VT 010 364	ED 037 560
VT 010 506	ED 038 506
VT 010 509	ED 038 507
VT 010 558	ED 037 566
VT 010 607	ED 037 572
VT 010 676	ED 037 578
VT 010 677	ED 038 515
VT 010 769	ED 038 528
VT 010 829	ED 037 584
VT 010 834	ED 037 585
VT 010 879	ED 038 538
VT 010 880	ED 038 539

## CONVERSION OF DOCUMENT NUMBER INDEX

ED NUMBERS OR NP NUMBERS CONVERTED TO VT NUMBERS

ED 019 448	VT 002 455	ED 031 581	VT 008 931
ED 019 523	VT 005 713	ED 031 594	VT 009 072
ED 023 786	VT 001 950	ED 032 381	VT 002 559
ED 026 273	VT 008 269	ED 032 428	VT 009 314
ED 026 455	VT 001 961	ED 033 195	VT 008 562
ED 027 400	VT 007 699	ED 033 205	VT 009 166
ED 028 268	VT 007 878	ED 033 227	VT 009 485
ED 029 131	VT 008 234	ED 033 231	VT 009 490
ED 029 136	VT 008 311	ED 034 024	VT 009 291
ED 029 138	VT 008 333	ED 034 037	VT 009 590
ED 029 946	VT 006 188	ED 034 038	VT 009 603
ED 029 951	VT 007 228	ED 034 074	VT 009 856
ED 029 953	VT 007 687	ED 034 075	VT 009 857
ED 029 955	VT 007 820	ED 034 847	VT 009 771
ED 029 960	VT 007 962	ED 034 868	VT 009 873
ED 029 961	VT 008 079	ED 034 877	VT 009 931
ED 029 974	VT 008 473	ED 034 891	VT 010 095
ED 029 975	VT 008 492	ED 035 733	VT 009 942
ED 030 714	VT 008 226	ED 035 734	VT 010 017
ED 030 721	VT 008 527	ED 035 746	VT 010 138
ED 030 744	VT 008 791	ED 035 747	VT 010 139
ED 030 745	VT 008 794	ED 035 748	VT 010 140
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ED 031 557	VT 007 858	ED 035 753	VT 010 152
ED 031 558	VT 007 859	ED 035 755	VT 010 162
ED 031 559	VT 007 860	ED 037 521	VT 007 182
ED 031 560	VT 007 861	ED 037 527	VT 009 958
ED 031 565	VT 008 486	ED 037 528	VT 009 959

CONVERSION OF DOCUMENT NUMBER INDEX

ED NUMBERS ON MP NUMBERS CONVERTED TO VT NUMBERS

ED 037 529	VT 009 960
ED 037 530	VT 009 961
ED 037 531	VT 009 962
ED 037 532	VT 009 963
ED 037 533	VT 009 964
ED 037 535	VT 009 994
ED 037 560	VT 010 364
ED 037 566	VT 010 558
ED 037 572	VT 010 607
ED 037 578	VT 010 676
ED 037 584	VT 010 829
ED 037 585	VT 010 834
ED 038 487	VT 000 176
ED 038 496	VT 010 068
ED 038 503	VT 010 326
ED 038 506	VT 010 506
ED 038 507	VT 010 509
ED 038 515	VT 010 677
ED 038 528	VT 010 769
ED 038 538	VT 010 879
ED 038 539	VT 010 880



SOURCE LIST<sup>1</sup>

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State Department of Education  
P.O. Box 2847  
University, Alabama 35486

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Division of Vocational Education  
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Davis, California 95616

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College  
San Luis Obispo, California 93401

<sup>1</sup> A cumulative list of instructional laboratories and agencies that have printed copies of materials for sale.

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207 State Services Building  
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4210 E. 11th Avenue  
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Office of Instructional Services  
Division of Elementary and  
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Colorado State Department of  
Education  
Denver, Colorado 80203

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State Department of Education  
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Box 8369  
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450 TB and T Building  
Tallahassee, Florida 32304

Publication Section  
State Department of Education  
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Tallahassee, Florida 32304

School Plant Management Section  
State Department of Education  
Tallahassee, Florida

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Athens, Georgia 30601

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Idaho State Board for Vocational  
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Chicago, Illinois 60611

American Society of Radiologic  
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American Technical Society  
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Association of Home  
Appliance Manufacturers  
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Champaign, Illinois 61820

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Illinois State University  
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Wichita, Kansas 67211

Publication Service  
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Lawrence, Kansas 66044

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Skinner Hall  
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Amherst, Massachusetts 01002

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University of Minnesota  
312 North Hall  
St. Paul Campus  
St. Paul, Minnesota 55101

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Service  
P.O. Box 244  
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1409 Willow Street  
Minneapolis, Minnesota 55403

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Greenwood, Mississippi 38930

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601 Board of Education Building  
1211 McGee  
Kansas City, Missouri 64106

Cardinal Ritter Institute  
4532 Lindell  
St. Louis, Missouri 63108

Instructional Materials Laboratory  
University of Missouri  
8 Industrial Education  
Columbia, Missouri 65201

Industrial Education  
103 Industrial Education Building  
University of Missouri  
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Suite 410  
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Bozeman, Montana 59715

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University of Nebraska  
Lincoln, Nebraska 68503

Division of Vocational Education  
State Department of Education  
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P.O. Box 94727  
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Concord, New Hampshire 03301

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New Jersey State Department of  
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Trenton, New Jersey 08625

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10 Seminary Place  
New Brunswick, New Jersey 08903

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130 South Capitol Street  
Santa Fe, New Mexico 87501

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Company  
Bell System  
195 Broadway  
New York, New York

American Welding Society  
345 E. 47th Street  
New York, New York 10017

Board of Education of the  
City of New York  
Publication Office  
110 Livingston Street  
Brooklyn, New York 11201

Correlated and Pre-Technical Programs  
480 Pacific Street  
Brooklyn, New York 11217

Delmar Publishers, Inc.  
Mountainview Avenue  
Albany, New York 12205

Delta Pi Epsilon  
Bronx Community College  
120 East 184th Street  
New York, New York 10468

Department of Public Information  
New York Stock Exchange  
11 Wall Street  
New York, New York 10005

Educational Communications  
General Electric Company  
570 Lexington Avenue, Room 801  
New York, New York 10022

Garden State/Novo, Inc.  
630 Ninth Avenue  
New York, New York 10036

Heidelberg Sales and Service  
73-45 Woodhaven Boulevard  
Glendale, New York 11227

International Society for Rehabilitation  
of the Disabled  
701 First Avenue  
New York, New York 10017

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