This resource guide, one of a series of annotated bibliographies describing the collection of the lending library of the Vocational Special Needs (VSN) Program at Texas A&M University, lists available materials for and about industrial education. Covered in the individual sections of the guide are the following topics: instructional materials, information for teachers, research reports, resource directories, and helpful general resources. Each citation includes information concerning the author, title, and publisher of the work; its VSN accession number; and a brief abstract detailing its contents. (MN)
VOCATIONAL SPECIAL NEEDS LENDING LIBRARY

Industrial Education Materials

A Resource Guide

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The Vocational Special Needs Program
Texas A&M University

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The information reported herein was performed pursuant to a contract from the Division of Occupational Research and Development, Department of Occupational Education and Technology, Texas Education Agency. Contractors or grantees undertaking such projects under Agency sponsorship are encouraged to freely express their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, necessarily represent official Department of Occupational Education and Technology position or policy.

Admission to Texas A&M University and any of its sponsored programs is open to qualified individuals regardless of race, color, religion, sex, national origin, handicap or age.
For over five years, the Vocational Special Needs Program at Texas A&M University has offered a lending library of materials to educators in Texas who desire information on the vocational needs and preparation of special education students. In 1981, the library was computerized, simplifying access and increasing the library's popularity. A complete Catalog of Holdings was published in 1981, with supplements each year. Our subscribers (and we encourage any educator in Texas to become one) have begun to ask for more specialized and more "user-friendly" resource guides. We are responding with this series of manuals.

Guides in the series will address the following topics:

Agricultural Education Materials
Assessment Materials
Audio-Visual Materials
Employment-Related Instructional Materials
Health Education Materials
Homemaking Materials
Industrial Education Materials
Limited English Proficiency Materials
Marketing and Distributive Education Materials
Office Education Materials
Prevocational Instructional Materials

We hope these resource guides will encourage more subscribers to the library. We are currently acquiring many software packages for teachers to use in computer-assisted instruction, but remain interested in hearing about any resources you can recommend to us. Please contact us if our library can be of any assistance to you.

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INSTRUCTIONAL MATERIALS


Written for students this book has thirteen units, each covering a different skill, habit, or attitude necessary for being a good worker. Written simply and well illustrated, teachers have found it extremely useful for students with limited reading and comprehension skills.


This workbook for students has thirteen units related to getting a job. Like the text above, teachers have found it very useful for special education students.


This guide includes instructions for using the JOB TIPS with students, discussion topics, and source materials for both teachers and students. The series includes short 8-10 page brochures for students to read, each addressing a separate entry-level job. Each brochure lists the job, what students should know, opportunities for more training, what classes to take, where and how to get a job, and more. Brochures that address jobs related to industrial education include:

Laundry Worker VSN# 02309
Custodial's Helper VSN# 02316
Floor Covering Installer VSN# 02317
Assistant Air Conditioning Mechanic VSN# 02318
Painter's Helper VSN# 02319
Roofing Worker VSN# 02320
Cement Mason's Helper VSN# 02321
Heavy Equipment Operator VSN# 02322
Bricklayer VSN# 02323
Assistant Electrician VSN# 02324
Plumber's Helper VSN# 02325
Carpenter's Helper VSN# 02326
Building Maintenance Mechanic's Assistant VSN# 02327
Welder's Helper VSN# 02328
Sheet Metal Worker VSN# 02329
Auto Muffler Installer VSN# 02330
Assistant Auto Body Repairer VSN# 02331
Tire Repairer VSN# 02332
New Car Detailer VSN# 02333
Service Station Attendant VSN# 02334  
Assistant Auto Mechanic VSN# 02335  


Designed for high school students with severe reading disabilities, simply written with large photographs, these books explain career opportunities by using an entertaining, fictional account of young adults' experiences on the job. They teach a variety of job skills and behaviors. A Teacher's Guide (VSN# 02336) and a set of audio cassettes (VSN# 02347) accompany the series. Books that address industrial education include:

And It's So Quiet (Janitor) VSN# 02337  
Ready to Go (Auto Mechanic's Helper) VSN# 02338


Originally written for students in regular vocational cooperative classes, this book nevertheless has a great deal of helpful information for special education students and their teachers. Each chapter has questions at the end for students. Use with average or above average readers.


A very simple lesson on striking tools, this illustrated booklet has a pretest, objectives, and a product evaluation. It presents information on a wide variety of hammers, with an emphasis on teaching students to use the right tools for the right job.


In the same series as the book above, this lesson guide on blueprints and making blueprints includes an introduction for students to read, objectives, a pretest, instructions, and a product evaluation.


Similar to the guides above, this lesson plan covers measurement used in industrial projects, specifically understanding and using fractions properly.

Developed for use in vocational and technical training programs, this comprehensive curriculum guide (over 400 pages) includes objectives, information sheets, student pledge forms, handout and transparency masters, worksheets, evaluation forms, and more, for a variety of topics related to construction. Among others, these topics include safety, tools, measurement, composition of concrete, and brush painting.

Herron, Jack (Coon) Coordinated Vocational Education & Training: General Mechanical Trades (Student & Teacher Text). Stillwater, OK: Oklahoma State Board of Vocational and Technical Education, 1971. VSN# 02254

Prepared for regular students, this curriculum guide has nevertheless proved helpful to teachers modifying their curriculum for special education students. Each of the six units includes objectives, suggested activities, information sheets, transparency masters, job sheets, assignment sheets, test and evaluation sheets, and test answers. Units address (1) safety-tools, (2) measuring-blueprints, (3) gas welding, (4) arc welding, (5) small engines, and (6) metal work. With over 500 pages, this looseleaf text is certainly comprehensive!


This kit includes 30 interview cards, each with a different jobs and each with job descriptions, interview situations, and questions. It also includes a job ticket book for students to schedule their interviews, application forms, rating forms, progress record forms, and a teacher's guide. Many of the interview cards relate to industrial education.


This text for students includes seven informational units on measuring, plus 15 pictures that students produce while practicing their measuring. Written specifically for students with special needs.

This textbook, written for students with special needs, includes seven units related to electricity, with many illustrations, experiments for students to perform, and worksheets.


This book, written for students with special learning needs, begins with general information on interviewing skills and includes a review of 15 interviews, for a variety of jobs. Each interview includes background information such as the advertisement for the job and the experience of the applicant, a transcript of the interview, and a one-page worksheet for students to complete. The interview for paving construction worker relates to industrial education.


Written simply and illustrated well, this booklet covers 10 topics related to safety, including walking and working surfaces, stationary equipment, toxic and hazardous substances, fire, and more.


This book outlines the prevocational skills special education students will need before entering a vocational program. (For use with the following guidebook.)


This guide gives task analyses for a variety of skills needed in a construction job, instructional task modules for teaching these skills, and a bibliography.
Sharpton, James L. Cleaning Services (3 volumes). Stillwater: Oklahoma State Board of Vocational and Technical Education, 1982. VSN# 02253

This three-volume curriculum guide has been developed for use in vocational and technical training programs. Units include objectives, pretests, handout and overhead transparencies, information sheets and worksheets for students, evaluation forms, and more. The three volumes, each over 600 pages, cover a wide variety of topics related to cleaning and building maintenance.


Each kit in this series includes a filmstrip and cassette, plus an instructor lesson plan, a student activity sheet, and a program summary card. The lesson plans describe the program content, vocabulary, student objectives, vocabulary words, lesson presentation and follow-up instructions, supplementary activities, and more. The student activity sheets are all legally reproducible. The series includes the following kits:

Applying Wallpaper VSN# 01299
Bits & Pieces for Electric Drills VSN# 01300
Carpet Maintenance VSN# 01301
Circuit Breakers VSN# 01302
Construction Lumber VSN# 01303
Electrical Switches VSN# 01304
Electric Wire and Cable VSN# 01305
Types & Uses VSN# 01306
Installing Asphalt VSN# 01307
Installing Drywall VSN# 01308
Installing Gutters VSN# 01309
Installing Roll Installation VSN# 01310
Installing Wood Shingles VSN# 01311
Locating Defective Circuit Parts VSN# 01312
Locating Wall Studs VSN# 01313
Lockset Maintenance VSN# 01314
Preparing for Exterior Painting VSN# 01315
Preparing for Interior Painting VSN# 01316
Reading Electric Meters VSN# 01317
Repairing Drywall VSN# 01318
Repairing Fluorescent VSN# 01319
Replacing A Light Fixture VSN# 01320
Replacing Aluminum Screens VSN# 01321
Replacing A Plug VSN# 01322
Replacing A Receptacle VSN# 01323
Replacing Asphalt Tile VSN# 01324
Replacing A Wall Switch VSN# 01325
Replacing Ceramic Tile VSN# 01326
Sharpening Woodworking VSN# 01327
The Portable Electric Drill VSN# 01328
The Propane Torch VSN# 01329
Using A Belt Sander VSN# 01330
Using A Circular Saw VSN# 01331
Using A Pop Riveter VSN# 01332
Using A Rafter/Framing Square VSN# 01333
Using A Saber Saw VSN# 01334


This 400-page curriculum guide includes a unit on industry which vocational teachers may be able to use when providing background information to their students. The unit includes objectives, worksheets, information sheets, handouts and transparency masters, evaluation forms, and more.

Stanislaus County Department of Education. The Job Box. Belmont, Ca.: Fearon-Pitman Publishers, Inc., 1978. VSN# 01859 (See Jobsheets below.)

A career exploration training kit, this includes units on automotive careers, building trades and construction, industrial and retail, and trades and services. Worksheets by Carol King accompany The Job Box (ask for VSN# 02284).


This kit includes four parts: (1) a teacher's guide, (2) a student's guide, (3) and exercise book, and (4) a series of booklets related to specific jobs. Two relate to industrial education: Manufacturing and Construction. All booklets are illustrated, simply written, and well laid out for use by special education students.


Written for high school special education students, this text covers many aspects of safety on the job, with worksheets and quizzes for each unit.
INFORMATION FOR TEACHERS


This resource describes a three-phase process of evaluation: (1) planning, (2) process, and (3) impact evaluation. The book also offers other considerations and observations.

Becker, R. L. Revised Reading-Free Vocational Interest Inventory. Columbus, Ohio: Elbern Publications, 1981. VSN# 01905

This manual offers complete descriptions of the inventory (designed to show what work students are interested in doing), and instructions for its use.

Carter, Robert T. (Dir.) All You Ever Wanted to Know About Special Needs But Didn't Know Who to Ask. Montgomery: Alabama St. Dept. of Education, 1980. VSN# 02106

A description of one state's policies, including information on legislation, set-aside funds, disadvantaged students, handicapped students, programs, and questions and answers.


This book offers guidelines for program placement, occupational assessment, and vocational training of handicapped students.


This guidebook lists over 100 occupational titles related to industrial education, giving the experiences students will experience on the job, and the related instruction students may need.

This teacher's manual describes the CAP (Cognitive-Affective-Psychomotor) model of instruction, how to make the model work, methods for modifying a welding program (as one example of industrial programs), and then includes the student workbook (available separately) in total.


On loan at time of publication.

Hoffman, Linda P. A New Look at an Old Skill: Reading in the Vocational Classroom. Columbus: Ohio State University, Vocational Instructional Materials Laboratory, 1982. VSN# 02038

This textbook, packed with exercises for students, is designed to provide reading exercises related to vocational subjects. Several address industrial-related occupations.


This book describes the state-of-the-art of vocational assessment, including personnel development for assessment and delivery models.

Journal of Industrial Teacher Education. West Lafayette, IN: National Association of Industrial and Technical Teacher Educators, 1974. VSN# 00625-00635

This publication offers research and professional reports related to the education of industrial teachers. The Lending Library currently has issues from Fall, 1974, through Summer, 1980.


This guidebook is for counselors or teachers to use with eighth or ninth grade students and has complete lesson guides for introducing students to the following occupations: autobody

In 14 brief chapters, the authors describe steps teachers need to take when developing vocational instruction. This book offers a succinct, easily understood, simple-to-read resource for homemaking teachers who are developing curriculum.


This book offers some practical, good business reasons for employing handicapped individuals. The book can give homemaking teachers excellent information on dealing with employers of handicapped students, on services, the legal framework, recruitment, and more.


This kit, with filmstrip and cassettes provides a good background for Public Law 94-142, the law that guarantees handicapped students a free, appropriate public education.


This book has ten chapters related to the teaching of special needs students in T & I classes, including (1) identifying students, (2) facility and equipment modification, (3) instructional techniques, (4) assessment, and others. Each chapter is self-contained, with excellent information.


On loan at time of publication.

RESOURCE DIRECTORIES

All of the following directories list materials for use with special education students in industrial classes.


RESEARCH REPORTS


After giving the reasons for a competency based curriculum model for the preparation of teachers in industrial programs that serve handicapped and disadvantaged students, this report outlines the general education, professional education, and specialization fields they recommend for prospective teachers.

San Antonio State Hospital and State School. An Innovative Program for Providing Effective Vocational Training for Handicapped Persons of Limited English Speaking Ability (Two reports, for Year One and Year Two). San Antonio: Author, 1980. VSN# 02070 (Year One) and VSN# 02048 (Year Two)

The project described in this report was designed to provide vocational training to mentally handicapped persons with limited English speaking ability, so that upon rehabilitation they would be able to enter the work force, thereby increasing the probability that rehabilitation will be successful. The project had three objectives: develop a curriculum to train vocational instructors, develop a bilingual curriculum for clients on graphics, printing, and bindery operations, and develop a placement strategy for clients.

HELPFUL GENERAL RESOURCES

The following resources are among the most helpful general resources in our library and we would like to recommend their for your professional reading. Among the topics covered in these books are legal considerations of providing vocational education to handicapped students, classroom management, strategies for dealing with specific handicapping conditions, and more.

One of the all-time best resources, the book has sections on identifying students, learning styles, and teaching methods that are especially helpful.


Written by the director of the American Coalition of Citizens with Disabilities, this book describes the experiences of disabled people in an easily read and very interesting style. Definitely worth reading.

Brolin, Donn E. Vocational Preparation of Persons with Handicaps. Columbus: Charles E. Merrill, 1982. VSN# 00169

A well-presented textbook with four main sections: Background, Vocational Evaluation, Vocational Development, and Program Models.


A practical guide for educators, including many inservice activities and resources.


This book explains how to set up a comprehensive training program for retarded students, including administrative policy, funding, skills to be trained, techniques, placement and follow-up, assessment, and much more.


Thorough, easy-to-read, this book is a purchase.


This handbook describes in detail the provisions of the three most important laws affecting the vocational preparation of special needs students: The Rehabilitation Act of 1973, Section
504; The Education of the Handicapped Act; and the Vocational Education Act of 1963. It then compares the laws.


Useful, well-written, this book will help you understand adolescents, cope with and change their behavior, and communicate effectively with them. It has numerous activities to help adolescents learn to communicate better and has a good section on dealing with parents of adolescents with behavior problems.

Kok, Marilyn and Linda H. Parrish (Eds.). Insights Into Instruction: A Discussion of Three Handicapping Conditions for Vocational Teacher Educators. College Station, TX: Vocational Special Needs Program, College of Education, Texas A&M University, 1981. VSN# 01698

This book summarizes a conference in which special educators and vocational educators discussed the characteristics and vocational training needs of three handicapping conditions: mental retardation, learning disabilities, and emotional disturbance. The section on emotional disturbance is especially useful.


A very complete description, if somewhat technical, of the characteristics, needs, and perspectives of adolescents with learning disabilities.


A concise, well-written description of the legal supports for the education of handicapped students.


A lengthy and thorough presentation of vocational special needs. A good resource.


Another all-around useful resource.

An in-depth description of an individualized education plan, this book also describes the vocational educators' role.


This book is especially valuable for the description of the barriers handicapped people face when seeking training, employment, and services.


A short description of what must be done to set up a behavior modification system.


A ready reference on the legal rights related to architecture, employment, housing, transportation, and many more topics.


Brief, easy-to-read descriptions of the psychological disorders of children.


Easy-to-follow, useful activities to help your audience simulate handicapping conditions.


Practical, concise descriptions of the different handicapping conditions and the needs that students with these conditions might have in a vocational class.