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ABSTRACT
The Wyoming Comprehensive Occupational Education Program (K through community college) focuses on positive work attitudes and job-entry skills. In kindergarten through grade six, occupational attitudes are incorporated into the existing elementary school curriculum. A career-orientation program is designed for grades seven and eight that provides occupational information, job interests and aptitudes, job applications and interviews, and the future employment outlook. Students are supplied with the Wyoming Occupation Resource Kits (WORK) from the State Department of Education. Career exploration is the theme in grades nine and ten; students are provided with the opportunity to explore various occupational clusters and to establish a tentative choice of occupational goal by age 16. This is followed by the development of career preparation broad skill programs in grades 11 and 12 that encourage the development of cooperative education programs: industrial cooperative education, distributive education, cooperative office education, cooperative agriculture occupations, cooperative service occupations, and diversified occupations. Postsecondary (grades 13 and 14) and adult education programs for training/retraining are provided by the community colleges. (EA)
A COMPREHENSIVE OCCUPATIONAL EDUCATION PROGRAM

Developed by
Dean P. Talagan, Ed. D.

Wyoming State Department of Education
Harry Roberts, State Superintendent of Public Instruction

1970
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WYOMING MODEL

"A Comprehensive Occupational Education Program Design"

CHILD

Attitudes- World of Work (K-6)

Career Orientation (Grades 7 & 8)

Career Exploration (Grades 9 & 10)

Career Preparation (Grades 11 & 12)

DROPOUTS

COLLEGE OR UNIVERSITY (4 Year)

COMPREHENSIVE COMMUNITY COLLEGE

Transfer (Academic) Programs

Occupational Education

Career Preparation in Career Clusters

Grades 13 and 14

Manpower Development

Adult & Continuing Education

JOB PLACEMENT

JOB ENTRY—REENTRY TO THE WORLD OF WORK
Education has three major goals: personal (self-image) development, citizenship development and occupational development.

We have too long fragmented education into mythical divisions of academic, general and vocational education. Nationally, our schools have too long concentrated on college preparatory programs and have disregarded the fact that the great majority of graduates do not enter college. Sixty percent of our young people go directly to work after high school.

Most individuals, including businessmen, labor leaders, teachers, and parents have taken the attitude that job education is designed for somebody else's children.

Some occupations require a four-year college education while others require different preparation. Occupational guidance services are a must. Our dropout rates at the public school and college levels are a reason for concern.

Wyoming's approach to Comprehensive Occupational Education is based on the following model that is being developed in schools throughout the State as approved by the State Board of Education and the Governor's Advisory Council. It is time to begin programming for all children.

Dean P. Talmage, Ed. D.
KINDergarten to grade 6

OCCUPATIONAL ATTITUDES
IN EXISTING ELEMENTARY SCHOOL CURRICULUM

Wyoming comprehensive occupational education program

Emphasis is placed upon development of ATTITUDES TOWARD THE WORLD of WORK without changing the existing curriculum. Projects to develop in ALL children a respect for ALL work and a motivation for productive citizenship in the world of work.

Desirable attitudes for employability to be emphasized are illustrated on the chart.

This program does not call for additional curriculum, since elementary teachers are presently overloaded with several subjects. It is merely a new emphasis in the existing curriculum to develop positive attitudes about the world of work as an enrichment program.

Examples:

(Social Studies) George Washington was not only President of the United States, but a surveyor, farmer, soldier and statesman. He held many jobs which made up his career.

(Language Arts) Instead of instructing students to prepare a list of common nouns, they are asked to list as many occupations in the community as they can think of under common nouns.

(Reading) Themes such as “Seventeen Million New Jobs,” are emphasized.

Resource people from the community are asked to come to school and discuss attitudes they look for in their employees.
on jobs with parents and friends.

The attitude program is continued.

A CAREER-ORIENTATION PROGRAM for all youth is developed to provide them with an understanding about broad areas of our economy such as manufacturing, construction, service, marketing, agriculture, business and professions.

Students will be supplied with WYOMING OCCUPATION RESOURCE KITS (W.O.R.K.) from the State Department of Education and commercial reader printers, micro fiche such as Project VIEW (Vocational Information for Education and Work) can be used to discuss information for the evaluation, community resources and appreciation for the various occupations such as type of work performed, field trips and resource individuals on job information in class, by use of equipment, literature, and other media.

The program is designed to provide information about the economy and various occupations such as type of work performed, field trips and resource individuals on job information in class, by use of equipment, literature, and other media.

This program will provide information in class, by use of equipment, literature, and other media.
The attitude program is continued.

A broad CAREER EXPLORATION PROGRAM leading toward a tentative choice of an occupational goal by age sixteen will be established.

Practical arts classes can be established in industry, business, marketing, agriculture, etc. Industrial arts and home economics are current examples to be expanded.

Students are provided with the opportunity to explore various occupational clusters. They can receive consumer education, home-making plastics, wood, metals, power mechanics, office machines, etc. This is done prior to skill training in a particular cluster.
Supported.

Existing occupational classes will be expanded and other part.

working conditions out in the community for the day and receive on-the-job training under actual and coordinate, students attend classes for part of the under the guidance of a qualified teacher.

for a career in that business or industry.

These are programs in which the school and a

under the development of cooperative education programs.

It is not always possible to build elaborate and expensive

Occupational programs are found in clusters or "job families." These are illustrated on the following chart.

We must draw upon basic skill subjects such as language and mathematics.

abilities and employment opportunities.

SKILL PROGRAMS SERVING A WIDE RANGE OF INTERESTS AND DEVELOPMENT OF CAREER PREPARATION BROAD.
This is the Community Classroom Concept.

Cooperative programs are part of the public school or community college system. They provide practical on-the-job experience. They involve the community as partners in the educational enterprise.

Examples:

Industrial Cooperative Education (ICE) trades such as auto mechanics, electronics, printing;

Distributive Education (DE) sales, advertising, marketing, merchandising, management;

Cooperative Office Education (COE) business and secretarial skills such as data processing, general clerical work or secretarial training;

Cooperative Agriculture Occupations—included in this program are production, processing, distribution and services.

Cooperative Service Occupations—included in this are child care, food and nutrition, housekeeping, clothing;

Diversified Occupations (DO)—several of the above-named occupations may be included in this program. An individual student receives training in only one. This program is valuable for Wyoming’s small communities with limited work stations.
Adult-continuing education education is a change of the community.

Adult education, manpower development training, post-secondary and adult education programs provide students with the opportunity for mobility between various programs to develop career interests. Comprehensive community college career preparation programs establish an institution which offers services established under the provisions of this Act. Following definition: Sec. 2(f) Session Laws of Wyoming, Chapter 217, provides the definition of Wyoming Community College Code of 1967 for training and retraining. Post-secondary and adult education programs for training previously mentioned eleven cluster areas. More complete occupational programs are developed in the

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The Boards of Cooperative Educational Services of 1969 Act of the Wyoming Legislature authorized the establishment of cooperative boards in Wyoming. The model below is an example of how Cooperative Boards for Occupational Education can coordinate a total program from kindergarten through the community college in a region of the State.

**STRATEGY**
SERVICES OF THE OCCUPATIONAL EDUCATION DIVISION

This division provides consultative services to the public schools and seven community colleges of Wyoming in occupational programming.

Consultative services include:

- Comprehensive occupational program development in elementary, secondary, post-secondary, adult and continuing education.
- Elementary
- Junior high
- Junior-senior high
- Senior high-community college
- Attitude, world of work phase
- Career orientation phase
- Career exploration phase
- Career preparation phase
- Regulatory duties such as approval of occupational (vocational) foundation units are assigned to the section together with approval of applications for federal funds under several programs.
- Program assistance includes:
  - Cooperative occupational education;
  - Survey of needs and program development;
  - Community college;
  - Senior-high community;
  - Junior-senior high;
  - Junior high;
  - Elementary
  - In education;
  - Post-secondary, post-secondary, post-secondary, post-secondary, adult and continuing
  - Comprehensive occupational program development in occupations.

These consultative services include:

- Vocational education.
- Private school licensing, and high school equivalency;
- Manpower development training and adult basic education;
- Occupational guidance and counseling;
- Family and community service occupations;
- Elecricity-electronics occupations;
- Distributive occupations;
- Health occupations;
- Hospitality occupations;
- Transportation service and repair occupations;
- Construction occupations;
- Metal processing occupations;
- Production agriculture and related occupations;
- Graphic communication occupations;
- Office occupations;

Programming assistance in the following cluster areas:

- Elementary, secondary, post-secondary, and adult and continuing education.

This division provides consultative services to the public schools and seven community colleges of Wyoming in occupational programming.
STAFF SERVICES

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EXAMPLES OF OCCUPATIONS FOUND IN THE VARIOUS OCCUPATIONAL CLUSTERS
AGRICULTURE OCCUPATIONS

VETERINARIAN
ENTOMOLOGIST
ICHTHYOLOGIST
ORNITHOLOGIST
ECOLOGIST
GEOLOGIST
HORTICULTURIST
COUNTY AGENT
CONSERVATIONIST
GAME WARDEN
FOREST RANGER
FARM MANAGER
FEED LOT MANAGER
FEED MILL OPERATOR
FARMER
NURSERYMAN
LANDSCAPING ARTIST
AGRICULTURE TECHNICIAN
FARM IMPLEMENT SALESMAN
FARM MECHANIC
POULTRY PRODUCER
BEEF OR SHEEP PRODUCER
DAIRYMAN
FLORIST
GARDENER
LOGGER
DISTRIBUTIVE OCCUPATIONS

- ECONOMIST
- PUBLISHER
- BANKER
- REAL ESTATE SALESMAN
- INSURANCE SALESMAN
- FINANCE BROKER
- STOCK BROKER
- MANAGER
- ADVERTISER
- REPORTER
- BUYER
- MODEL
- BANK TELLER
- CASHIER
- CLERK-SALESMAN
FAMILY, COMMUNITY & SOCIAL SERVICE OCCUPATIONS

- CRIMINOLOGIST
- ATTORNEY
- GUIDANCE COUNSELOR
- SCHOOL ADMINISTRATOR
- TEACHER
- SCHOOL AND SOCIAL PSYCHOLOGIST
- SOCIAL WORKER
- LIBRARIAN
- LIBRARY ASSISTANT
- DIETICIAN
- RECREATION DIRECTOR
- WELFARE WORKER
- DIETICIAN'S AIDE
- DETECTIVE
- MAILMAN
- POLICEMAN
- FIREMAN
- NURSERY SCHOOL DIRECTOR
- COSMETOLOGIST
- TAILOR
- DRY CLEANER & LAUNDRYMAN
- SHOE REPAIRMAN
- SERVICE STATION OPERATOR
- RECEPTIONIST
- HOMEMAKER
- DRESSMAKER
- FURNITURE UPHOLSTERER
- GUNSMITH
- BARTENDER
- SANITATION WORKER
- BABYSITTER
HEALTH OCCUPATIONS

- Psychicrist
- Medical Doctor
- Dentist
- Ophthalmologist
- Pharmacist
- Osteopath
- Chiropractor
- Optometrist
- Hospital-Nursing Home Administrator
- Clinical Psychologist
- Registered Nurse
- Dietician
- Physiotherapist
- Dental Hygienist
- Dental Assistant
- Medical Receptionist
- Medical Lab. Technologist
- Optometric Technician
- X-Ray Technician
- Surgical Technologist
- Practical Nurse
- Nurse's Aide
- Ambulance Driver
HOSPITALITY

OCCUPATIONS

CUSTODIANS

MAIDS

HOUSEKEEPERS & KITCHEN AIDES

WAITRESS

CASHIER

HOSTESS

PASTRYMAN

CHef

COOK-BAKER

MAITRE D'HOTEL

RESTAURANT MANAGER

HOTEL-MOTEL MANAGER

RESORT MANAGER

AIRLINE STEWARDESSE

MUSICIAN

BUSBOYS
TRANSPORTATION SERVICE AND REPAIR OCCUPATIONS

AERONAUTICAL ENGINEER

TRAFFIC ENGINEER

PILOT NAVIGATOR

AVIATION MECHANIC

HEATING TECHNICIAN

TRUCK DRIVER

REFRIGERATOR TECHNICIAN

AIRLINE SERVICE ENGINEER

TRAVEL AGENT

AUTO BODY REPAIRMAN

AUTO MECHANICS