

Career Clusters

This is a PowerPoint of the 16 Career Clusters. A Career Cluster is a group of jobs associated with that Career Cluster area. Career clusters help you relate what you study in high school to future work. You can use career clusters to learn more about your interests.

You can also use them to make career plans. The content in career clusters can help you decide what courses to take in high school. When you create your course plan for high school, be sure you take all the courses you need to graduate.

The 16 Career Clusters are:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology, and Communications
- Business, Management, and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, and Security
- Manufacturing
- Marketing, Sales, and Service
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics.

Agriculture, Food, and Natural Resources

What Would I do in this Cluster?

- In this cluster you will learn how to manage natural resources such as trees, water, minerals and land; how to improve farming techniques; and how to grow, prepare, and process food.

Jobs in the Agriculture, Food, and Natural Resources Cluster

- Agricultural Scientist
- Animal Caretaker
- Animal Trainer
- Baker
- Conservation Scientist
- Farm and Home Management Advisor
- Farm and Ranch Worker
- Farm Equipment Mechanic
- Farmers and Farm Manager
- Fish and Game Warden
- Food Processing Worker
- Food Scientist
- Forester
- Forestry Technician
- Meat Cutter
- Nursery Worker
- Park Naturalist
- Veterinarian
- Veterinary Assistant
- Water Treatment Plant Operator
- Zoologist

Architecture & Construction Cluster

What would I do in this cluster?

- If you get a job in this cluster, you might design or build houses, buildings, highways, or bridges. You might make designs and plans for new houses or buildings. You could use the plans to build new structures and manage a crew of workers. Another option would be to take care of, repair, or restore houses or buildings. You could also work on a wrecking crew and tear things down.

Jobs In The Architecture & Construction Cluster

- Build and put in boiler
- Build cabinets and shelves
- Build new home
- Clean and take care of the rooms in building
- Decorate rooms or office
- Design houses, buildings, or structures to build
- Design yards and flower gardens
- Drill holes in the earth in search of water
- Figure the costs of constructing a building
- Architect
- Boilermaker
- Bricklayers and Stonemason
- Cabinetmaker
- Carpenter
- Cement Mason
- Construction and Well Driller
- Construction Helper
- Construction Manager
- Cost Estimator
- Drafter
- Drywall Finisher
- Drywall Installer

Arts, Audio/Video Technology And Communications

What Would I do in this Cluster?

- If you are interested in working in this cluster, you have two options. One is to be the actor or artist. The other is to work behind the scenes. You could help make the concert or newspaper happen. You would use your creative talents. In addition, you might use computers and technical equipment.
- When you get a job, do you want to do any of these tasks? Can you see yourself doing this work? If you want to learn more about these jobs, click on the statement and review the related occupation

Jobs in the Arts, Audio/Video Technology and Communications Cluster

- Act in a television show
- Sing on American idol
- Be a director
- Be a professional photographer

Business, Management, Administration

What Would I do in this Cluster?

- If you are interested in the Business Management and Administration cluster, there are many career options. You may provide the needed support to keep a business in operation. Or you might keep track of the expenses and income. You could manage the financial activities of a business. Another option is to be sure that a business has qualified employees who are trained to do their jobs. Or after years of education or experience, you might direct the operations of a business.

Jobs in the Business, Management and Administration Cluster

- Mail Clerks
- File Clerks
- Order Clerks
- Business Executives
- Computer Operators
- Data Entry Clerk

Education and Training

What Would I do in this Cluster?

- In the Education and Training cluster, you would have the opportunity to guide and train young people. As a teacher, you could influence young lives. In addition, you could support the work of the classroom teacher as a counselor, librarian, or principal. If you are interested in working with adults, you could provide training to employees in a business. Each of these settings provides you with the chance to help people learn and improve their lives.

Jobs in the Education and Training Cluster

- Librarian
- Teacher
- Speech Pathologist
- Coach or Scout

Finance

What Would I do in this Cluster?

- In the occupations in the finance cluster you would be dealing with money. You might help people plan for their future. You could keep the records for businesses. You could work in a bank, an insurance company, or an investment company.

Jobs in the Finance Cluster

- Accountants and Auditor
- Actuaries
- Appraisers and Assessors
- Bank Teller
- Bill and Account Collector
- Brokerage Clerk
- Budget Analyst
- Credit Checkers and Authorizers
- Economist
- Financial Analyst
- Financial Manager
- Insurance Adjusters and Examiner
- Insurance Agent
- Insurance Policy and Claims Clerk
- Insurance Underwriter
- Loan Clerk
- Loan Officer
- New Accounts Clerk
- Securities Salespeople
- Tax Preparers

Government and Public Administration

What Would I do in this Cluster?

- You will find almost every occupation within government. However, this file only includes ones that are unique.
- When you get a job, do you want to do any of these tasks? Can you see yourself doing this work? If you want to learn more about these jobs, click on the statement and review the related occupation.
- Be a translator at the United Nations.
- Be in charge of a post office.
- Be in charge of an agency that helps people
- Check construction projects to make sure rules are being followed
- Check restaurants to make sure they are clean
- Deliver mail
- Help people apply for food stamps
- Make plans for the growth of a city
- Sell stamps and help people mail items

Jobs in the Government and Public Administration Cluster

- Mail Carrier
- Postal Clerk
- Moderate-Term On-the-Job Training
- Government Benefits Interviewer
- Long-Term On-the-Job Training
- Compliance Officers and Inspector
- Interpreters and Translators
- Work Experience in a Related Occupation
- Construction and Building Inspector
- Postmasters and Mail Superintendent
- Social and Community Service Manager
- Urban and Regional Planner

Health Science

What would I do in this cluster?

- In the health science cluster, you would promote health and wellness. You could focus in many distinct areas of medicine. You could work directly with people. You might do testing and research. Health service staff work in hospitals, offices, schools. You might work on a cruise ship or at a sports arena. Most people in this cluster enjoy helping people.
- When you get a job, do you want to do any of these tasks? Can you see yourself doing this work? If you want to learn more about these jobs, click on the statement and review the related occupation.

Jobs in the Health Science Cluster

- Dental assistants help dentists take care of patients. They also do office tasks and lab duties
- They have many duties to help the dentist and the patient
- Get patients ready for treatment
- Help dentists as they examine and treat patients
- Hand tools and other items to dentists
- Use dental tools to clean teeth
- Clean and disinfect tools and equipment
- Write about the exam and treatment in patients' charts
- Set up appointments with patients
- Send bills and receive payments

Hospitality & Tourism

What Would I do in this Cluster?

- In this cluster, you could work in a cafe, hotel, sports arena, or travel agency. You might manage a college dining hall. You may be a skilled athlete. You could lead high school students on a tour. You might lead a group on a hike in the Grand Canyon. Or you could rent gear at a recreation center or resort. Most occupations in this cluster will require a positive, cheerful outlook.

Jobs in the Hospitality and Tourism Cluster

- Bartender
- Bus Person
- Chef And Dinner Cook
- Kitchen helpers
- Waiter/Waitress

Human Services

What Would I do in this Cluster?

- In the human services cluster you would work with persons and families. You would help them meet their needs. You may help them get benefits. Many perform a service for others. You would work directly with people. You also need a lot of dedication.
- When you get a job, do you want to do any of these tasks? Can you see yourself doing this work? If you want to learn more about these jobs, click on the statement and review the related occupation.

Jobs in the Human Services Cluster

- Barber
- Child Care Worker
- Customer Service Representative
- Embalmer
- Financial Counselor
- Funeral Attendant
- Funeral Director
- Hairstylists and Cosmetologist
- Laundry and Dry Cleaning Worker
- Manicurist
- Mental Health Counselor
- Personal and Home Care Aid
- Professional Makeup Artist
- Psychologist
- Residential Counselor
- School Counselor
- Skin Care Specialist
- Social and Human Service Assistant
- Social Worker

Information Technology

What Would I do in this Cluster?

- Information technology is an area that is always changing with new developments. In IT, you would be part of a cluster that continues to make an impact on society and individuals. You would have the opportunity to work in all types and sizes of businesses from Microsoft to your local hospital.

Jobs in the Information Technology Cluster

- Computer and Information Systems Manager
- Computer Engineer
- Computer Programmer
- Computer Security Specialist
- Computer Support Specialist
- Computer System Administrator
- Computer System Analyst
- Data Communication Analyst
- Database Administrator
- Web Developer

Law, Public Safety, Corrections, and Security

What Would I do in this Cluster?

- If you are interested in the law, public safety, corrections, and security cluster, there are several options for you. One is to guard the public and enforce the law. You could fight fires. Or you could keep places secure. You might give legal advice. If you like to watch CSI, this is the cluster for you.
- When you get a job, do you want to do any of these tasks? Can you see yourself doing this work? If you want to learn more about these jobs, click on the statement and review the related occupation.

Jobs in the Law, Public Safety, Corrections, and Security Cluster

- Ambulance Driver
- Bailiff
- Coroner
- Fire Fighter
- Sheriff
- Security Guard

Manufacturing

What Would I do in this Cluster?

- Are you good with working with your hands?
- Can you explain to others about machines work?
- Do you set up and repair stereo equipment for yourself or your friends
- *Do you enjoy reading the latest developments in electronics?*
- *Do you enjoy reading the latest developments in electronics?*
- *Can you visualize how a machine works?*
- If you answered yes to two or more of the questions above, you might be interested in considering a career in manufacturing, installation, or repair.
- In the Manufacturing career cluster, you can choose one of several options. You might design a new product or determine how the product will be made. Another option is to make the product. The final option is to install and repair the product once it has been purchased.
- The pathways listed in the next topic give you more information about the opportunities to work and study in manufacturing and installation and repair?

Jobs in the Manufacturing Cluster

- Airplane Assemblers
- Appliance Installers and Repairers
- Automotive Electronics Installers
- Blue-Collar Worker Supervisors
- Building Maintenance Workers
- Chemical Engineer
- Chemical Equipment Operators
- Chemical Plant Operator
- Clothes Presser
- Coin and Vending Machine Repairer
- Computer, ATM, and Office Machine Repairer
- Crane and Tower Operator
- Electric Motor Repairer
- Forklift Operators
- Furniture Finisher
- Gas and Oil Driller
- Gas and Oil Plant Operator

Marketing Sales and Service

What Would I do in this Cluster?

Marketing, sales, and service workers help businesses sell products. You might advertise and promote products so customers want to buy them. Or, you might sell products and services to customers.

Jobs in the Marketing Sales and Service Cluster

- Advertising Salespeople
- Buyers and Purchasing Agent
- Cashier
- Floral Designer
- Market Research Analyst
- Marketing Manager
- Model
- Optician
- Parts Salespeople
- Public Relations Specialist
- Purchasing Manager
- Real Estate Agent
- Retail Salespeople
- Route Salespeople
- Sales Manager
- Sales Representative

Science Technology

What Would I do in this Cluster?

- In this cluster there are several paths to follow. One is to do research in the field or in labs. You could plan or design of products. Or you could assist others. If you like science, this might be a good cluster to look at.

Jobs in the Science Technology Cluster

- Aerospace Engineers
- Anthropologists
- Archeologists
- Astronomers
- Biologists
- Biomedical Engineers
- Cartographers and Photogrammetrists
- Chemists
- Civil Engineers
- Electrical and Electronics Engineers
- Engineering Technicians
- Environmental Engineers
- Environmental Scientists
- Geographers
- Geologists and Geophysicists
- Historians
- Industrial Engineers
- Mathematicians
- Mechanical Engineers
- Meteorologists
- Natural Sciences Managers
- Physicists
- Political Scientists
- Science Technicians
- Sociologists