

Overview: Accountants and auditors assemble, analyze, and check the accuracy of financial information.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

- Reading and writing
- Math
- Computers/technology

Schooling:

· Have an associate or bachelor's degree in accounting

Where to Find Me:

Almost every industry hires accountants

Overview: Architects plan and design all types of buildings and structures.

Career Cluster: Architecture and Construction

Subjects:

Reading and writing

Computers/technology

Art

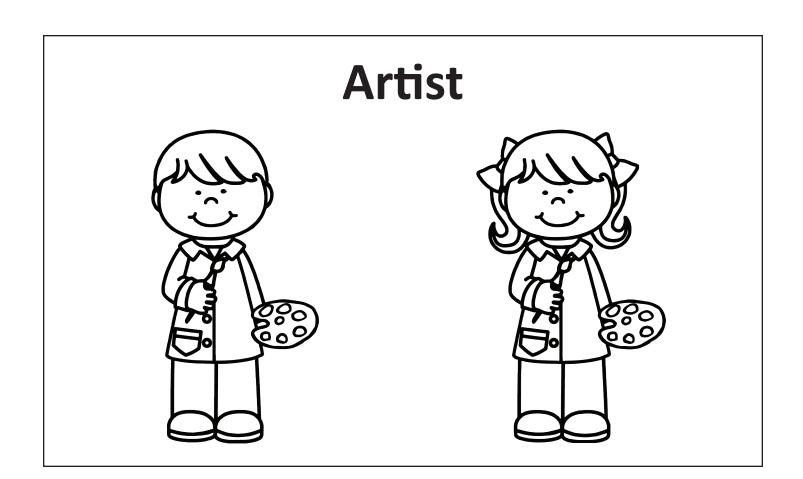
Safety

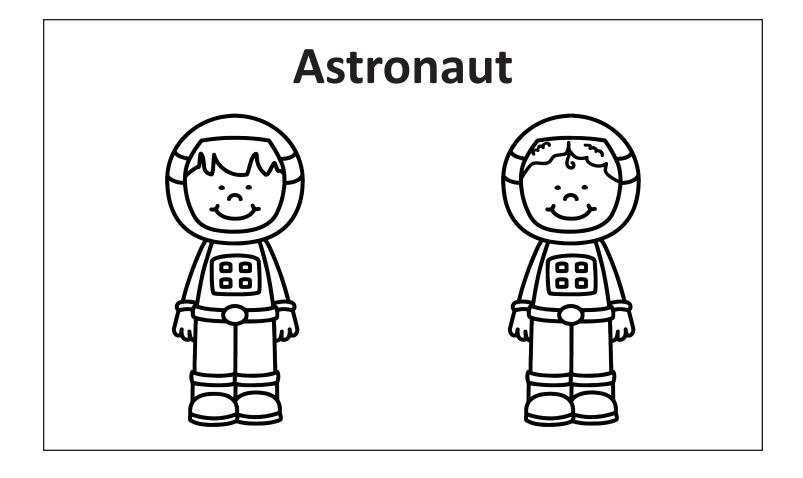
Math

Schooling:

- · Have at least a bachelor's degree in architecture
- · Complete a three-year internship
- · Have a license

- Construction companies
- Architectural design firms
- Government agencies





Overview: Artists create works of art to communicate ideas, thoughts, or feelings.

Career Cluster: Arts, Audio/Visual Technology, and Communications

Subjects:

- Computers/technology
- Art

Schooling:

- · Have a bachelor's degree in a related field
- · Complete long-term, on-the-job training

Where to Find Me:

- · Elementary, middle, and high schools
- · Colleges and universities
- Performing arts companies
- Publishing companies (newspapers, books, magazines)
- Marketing firms
- · Self-employed

Overview: Astronauts operate and work aboard spacecraft and the space station.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

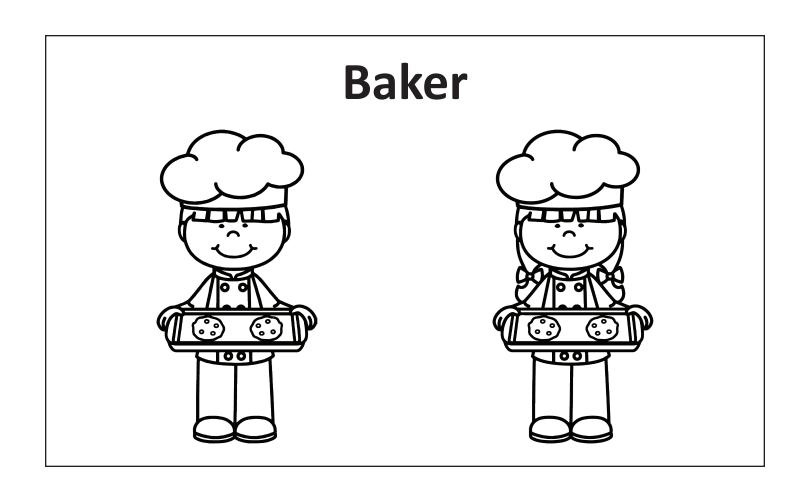
- Math
- Science
- Computers/Technology
- Safety
- Reading

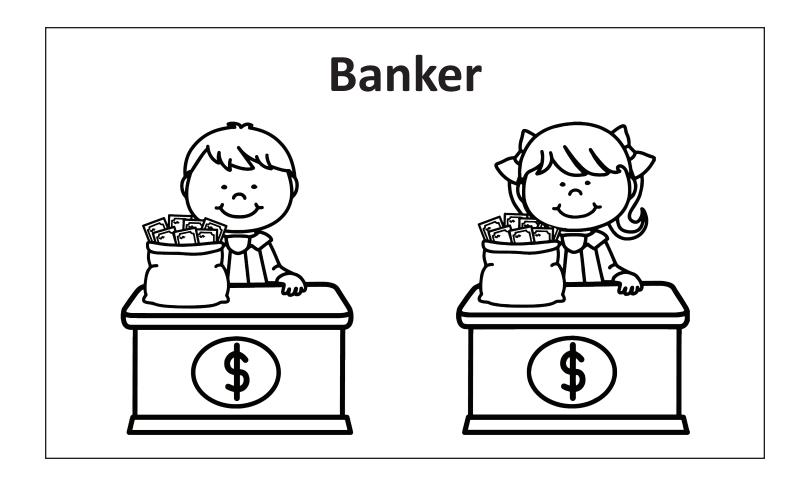
Schooling:

- · High school diploma or equivalent.
- Have at least a bachelor's degree in engineering, biological science, physical science, or mathematics.
- Complete at least three years of related professional experience following attainment of degree.
- · Pass a NASA space physical.

Where to Find Me:

Government (NASA)





Overview: Bakers mix and bake ingredients to produce breads, pastries, and other baked

goods.

Career Cluster: Agriculture, Food and Natural Resources

Subjects:

- Math
- Science
- Reading
- Safety
- Health

Schooling:

· Complete long-term, on-the-job training

Where to Find Me:

- Bakery product manufacturers
- Grocery stores
- · Bakeries and pastry stores
- Restaurants

Overview: Bank tellers help customers with their banking activities.

Career Cluster: Finance

Subjects:

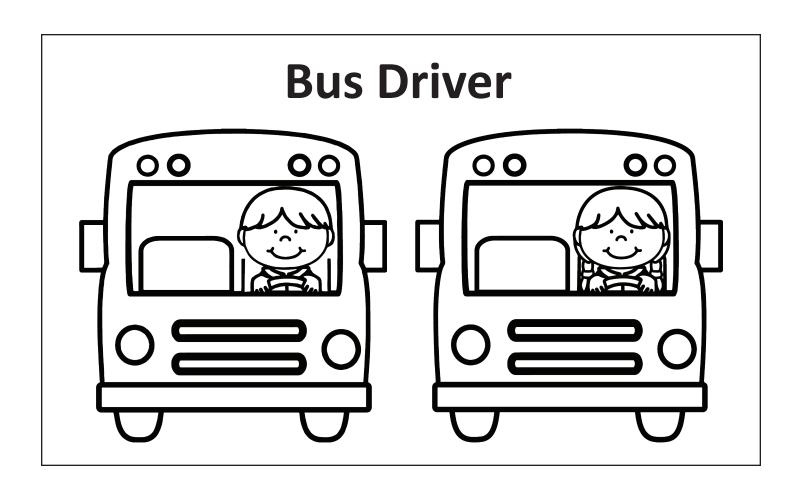
- Math
- · Computers/technology
- Reading

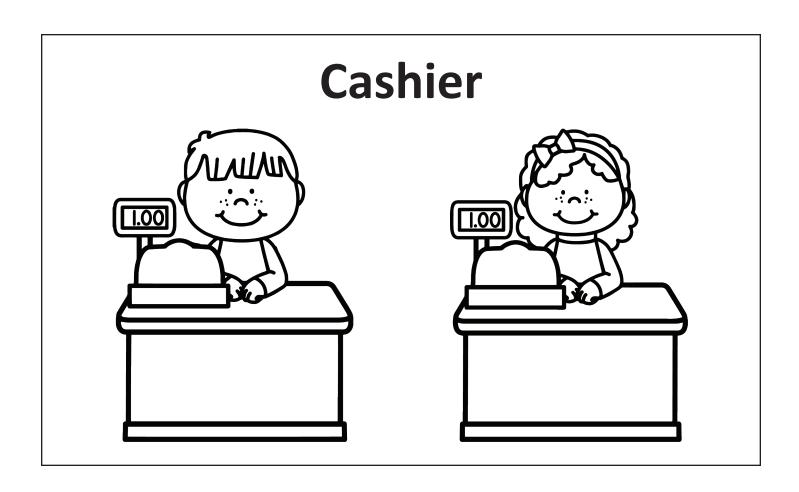
Schooling:

- · High school diploma or equivalent
- · Complete short-term, on-the-job training

Where to Find Me:

Banks, savings institutions, and credit unions





Overview: Bus drivers operate motor vehicles that move people from one place to another.

Career Cluster: Transportation, Distribution, and Logistics

Subjects:

- Computers/technology
- First Aid/Safety

Schooling:

- · High school diploma or equivalent
- · Complete moderate-term, on-the-job training
- · Have a commercial driver's license and good driving record

Where to Find Me:

- Government-sponsored local transportation systems
- Long distance bus companies
- · Charter bus companies
- Schools

Overview: Cashiers ring up sales and receive payments for merchandise.

Career Cluster: Marketing

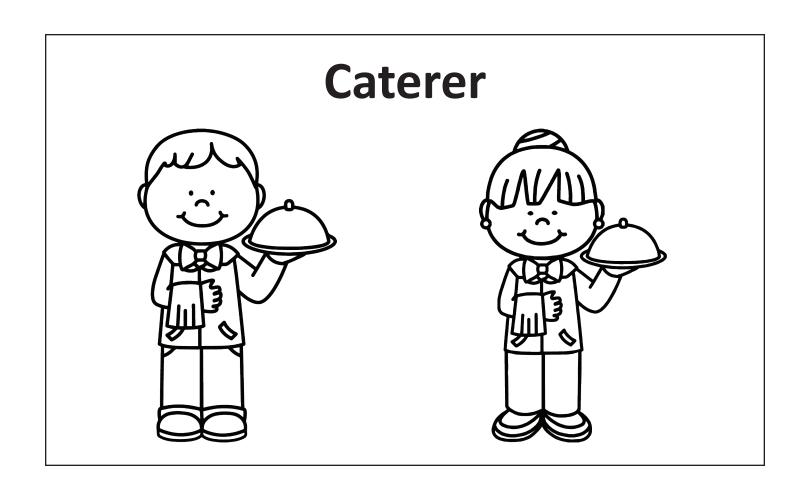
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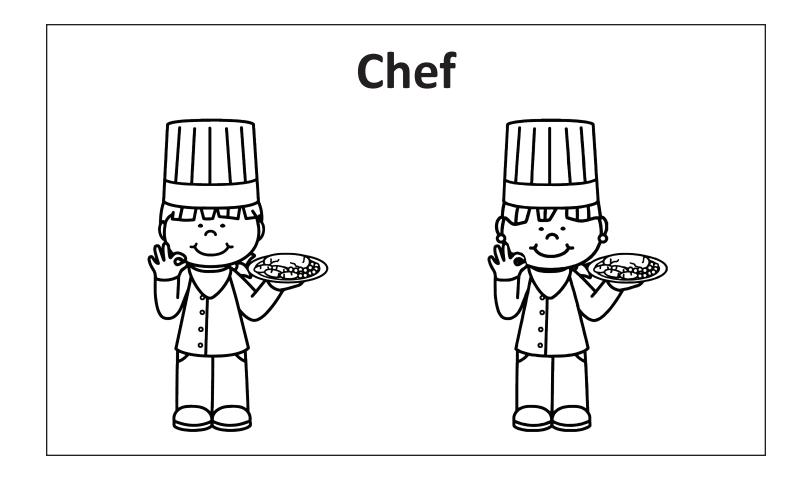
- · Computers/technology
- Math
- Reading

Schooling:

· Complete short-term, on-the-job training

- Grocery stores
- · Gas stations
- Drug stores
- · Department stores
- Pharmacies





Overview: Caterers prepare food for parties, events, and conventions. They manage preparation, cooking, delivery, and serving of the food at the event.

Career Cluster: Hospitality and Tourism

Subjects:

- Reading
- Computers/technology
- Math
- Safety

Schooling:

On-the-job training

Where to Find Me:

- Restaurants
- · Hotels and convention centers
- Self-employed
- Catering companies

Overview: Chefs and dinner cooks measure, mix, and cook food.

Career Cluster: Hospitality and Tourism

Subjects:

Math

First Aid/Safety

Reading

Health

Computers/technology

Schooling:

- · Have a high school diploma or equivalent
- · Complete on-the-job training

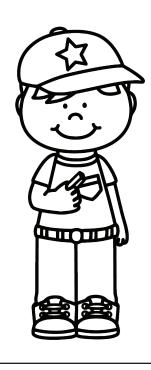
- · Restaurants and delis
- Schools
- Nursing and residential care facilities
- Hospitals
- · Bars

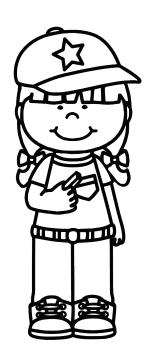
Childcare Worker





Coach





Overview: Child care workers supervise, care for, and teach children in day care programs.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Physical Education
- First Aid/Safety
- Reading and writing

Schooling:

- · High school diploma or equivalent
- · Complete short-term, on-the-job training

Where to Find Me:

- · Child day care
- Private households
- Elementary and secondary schools

Overview: Coaches

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

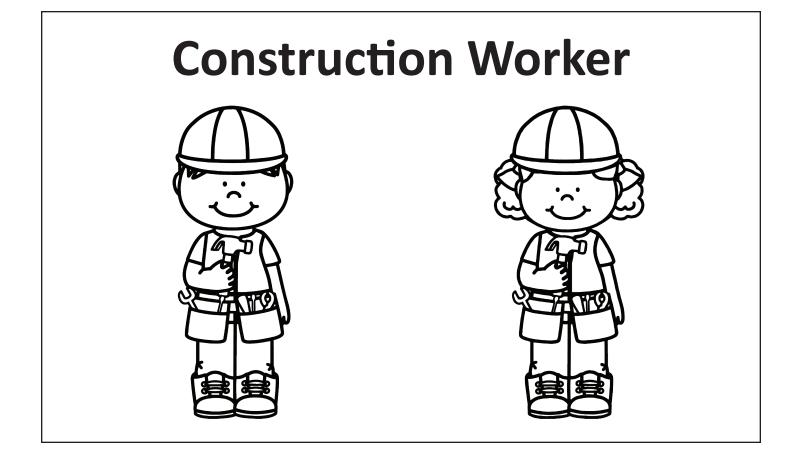
- Physical education
- Health
- · Safety and first aid

Schooling:

· High school diploma or equivalent

- · Colleges and universities
- Elementary and secondary schools
- State and National sports leagues

Computer Programmer



Overview: Computer programmers write and test the instructions that computers follow to perform tasks.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

- Reading and writing
- Computers/technology
- Math

Schooling:

· Have at least a bachelor's degree in a computer science field

Where to Find Me:

· Almost every industry hires computer programmers and technicians

Overview: General construction workers complete a variety of tasks on construction projects.

Career Cluster: Architecture and Construction

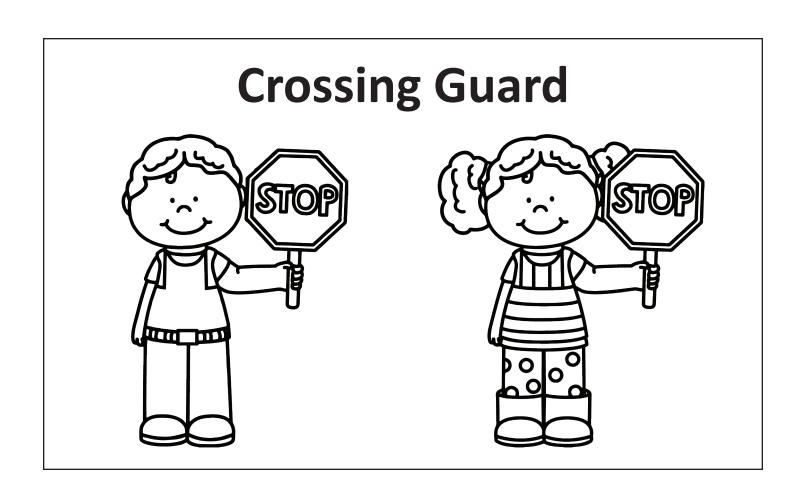
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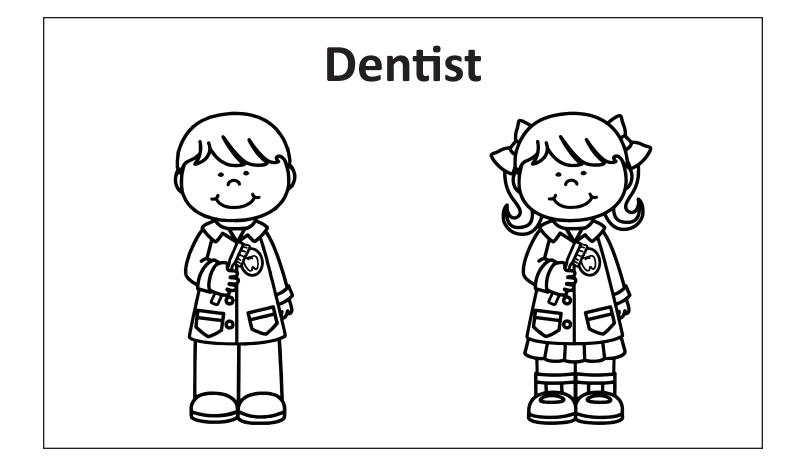
- Physical Education
- First Aid/Safety
- Math
- Computers/technology

Schooling:

· Complete short-term, on-the-job training

- Office and industrial building construction companies
- Home building construction companies
- · Concrete and brick work companies
- Highway and street construction companies





Overview: Crossing Guards direct the movement of walkers and drivers at street intersections and construction sites.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Physical Education
- Safety

Schooling:

- · High school diploma or equivalent
- · Complete moderate-term, on-the-job training

Where to Find Me:

- · Local government agencies in charge of construction
- · Elementary and secondary schools

Overview: Dentists examine patients' teeth and mouth and correct dental problems.

Career Cluster: Health Science

Subjects:

- Math
- Science
- Computers/technology

- Reading and writing
- · First Aid/Safety
- Health

Schooling:

- Compete at least two years of college
- · Graduate from dental school
- Pass a state licensing exam

- · Dental offices
- · Health clinics
- Local government agencies (public health clinics)

Detective





Doctor





Overview: Detectives and investigators gather facts and evidence for criminal cases.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

Computers/technology

Reading and writing

Physical Education

Safety

- Geography
- · Social Studies

Schooling:

- · High school diploma or equivalent
- Pass a physical exam and background check
- Complete police academy training
- · Have three to five years of experience as a police officer
- · Pass a written exam
- · Complete moderate-term, on-the-job training

Where to Find Me:

· Federal, state, or local law enforcement agencies

Overview: Doctors treat a wide range of conditions and help people try to stay healthy.

Career Cluster: Health Science

Subjects:

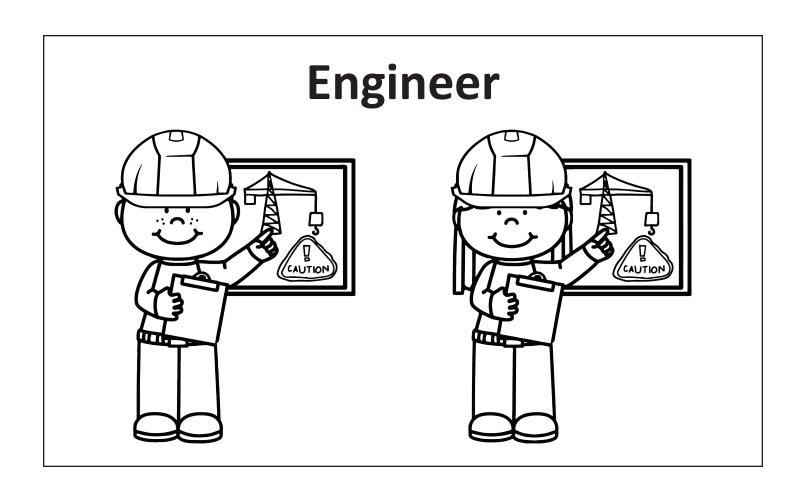
- Science
- Health
- Math

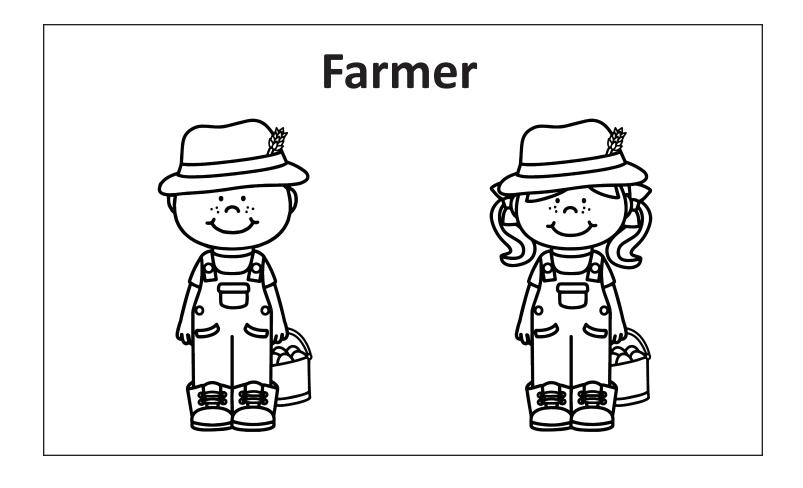
- Reading and writing
- Computers/technology

Schooling:

- · Have a bachelor's degree
- · Graduate from medical school
- Complete an internship
- Pass a licensing exam
- Complete a residency program

- · Hospitals, clinics, and medical offices
- Military
- Government agencies





Overview: Engineers solve technical problems.

Career Cluster: Architecture and Construction

Subjects:

Reading and writing

Science

Math

Safety

Computers/technology

Schooling:

- Have at least a bachelor's degree in engineering
- · Have a license

Where to Find Me:

- · Construction companies
- Architectural design firms
- Government agencies
- Mining companies
- Engineering firms
- Research firms
- · Utility Companies

Overview: Farmers and farm managers raise crops and livestock for market.

Career Cluster: Agriculture, Food, and Natural Resources

Subjects:

- Biology
- Math
- Reading
- · Computers/Technology
- Engineering
- Safety

Schooling:

- Have a high school diploma or equivalent
- · Have more than five years of work experience in agriculture

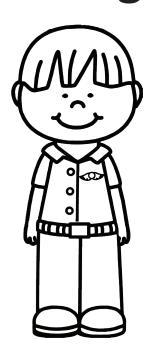
- Privately owned farms
- · Commercial farms

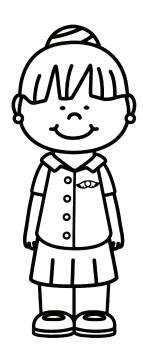
Firefighter





Flight Attendant





Overview: Firefighters put out fires and rescue people who are in danger.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Physical Education
- First Aid/Safety
- · Reading and writing
- Geography
- Computers/technology

Schooling:

- · High school diploma or equivalent
- Pass a written exam, a physical test, and a medical exam
- · Complete firefighting training
- · Complete long-term, on-the-job training

Where to Find Me:

· Local, state, and federal government sponsored fire departments

Overview: Flight attendants take care of airline passengers.

Career Cluster: Transportation, Distribution, and Logistics

Subjects:

- Foreign Language
- First Aid/Safety
- Geography
- Computers/technology

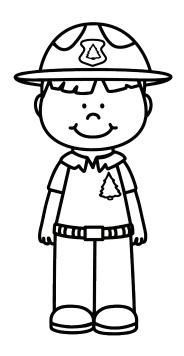
Schooling:

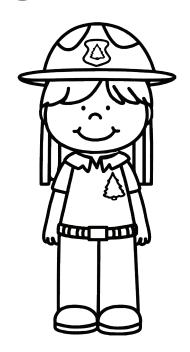
- · Have a high school diploma or equivalent
- Complete a flight attendant training program
- · Complete moderate-term, on-the-job training

Where to Find Me:

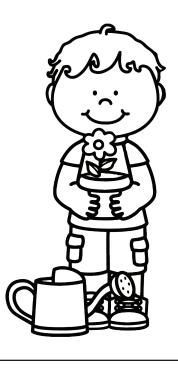
National and regional airlines

Forest Ranger





Gardener





Overview: Forest Rangers help maintain campground and trails in state and national forests. **Career Cluster:** Science, Technology, Engineering and Mathematics Subjects:

- Science
- Geography
- History
- Computers/technology
- · Reading and writing
- Physical Education
- First Aid/Safety

Schooling:

· Have at least a bachelor's degree in a life science

Where to Find Me:

• Federal, state, and local government agencies (parks)

Overview: Mail carriers deliver mail to homes and businesses along an established route.

Career Cluster: Business Management and Administration

Subjects:

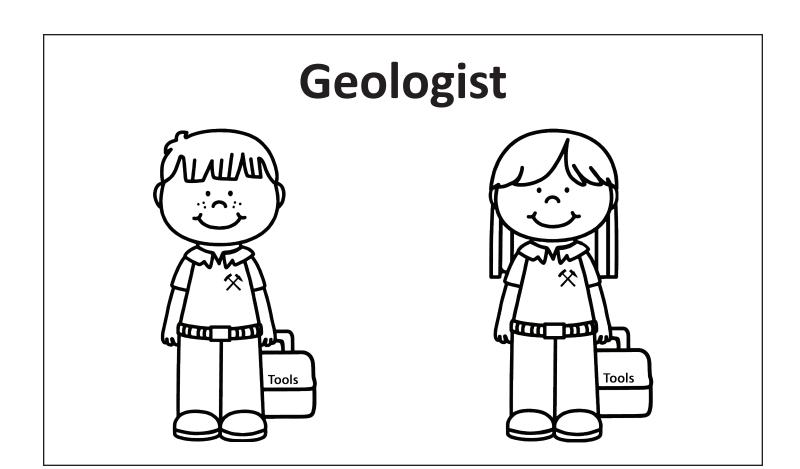
- Physical Education
- Safety
- Reading

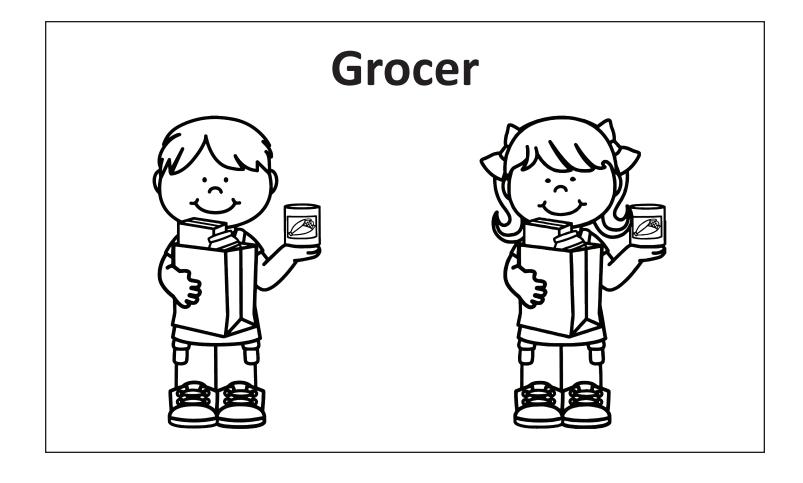
Schooling:

- · High school diploma or equivalent
- · Complete short-term, on-the-job training

Where to Find Me:

US Postal Service





Overview: Geologists study the history of the earth. They look at how rocks were formed and how they have changed since they were created.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

- Reading and writing
- Geography
- Math

- Science
- History
- Computers/technology

Schooling:

- · Have a high school diploma or equivalent
- · Complete an apprenticeship program

Where to Find Me:

- Mining and quarrying companies
- · Oil refineries
- Government agencies
- Consulting services

Overview: Stock clerks receive, unpack, check, store and track merchandise or materials.

Career Cluster: Business Management and Administration

Subjects:

- Math
- Reading
- Computers/technology
- Physical Education
- Safety

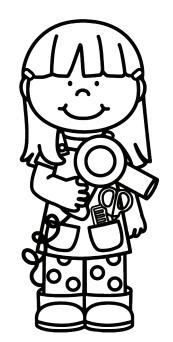
Schooling:

· Complete short-term, on-the-job training

- Grocery stores
- Department stores
- Other general merchandise stores

Hairstylist





Housekeeper





Overview: Hairstylists and cosmetologists wash, cut, color, perm, and style customers' hair. Cosmetologists also apply makeup. Barbers also shave customers.

Career Cluster: Human Services

Subjects:

- Math
- · First Aid/Safety
- Science

Schooling:

- Complete a cosmetology or hair styling program
- Pass a licensing exam

Where to Find Me:

- · Beauty salons
- · Barber shops

Overview: Maids and housekeepers clean rooms at hotels, motels, private homes and hospitals.

Career Cluster: Hospitality and Tourism

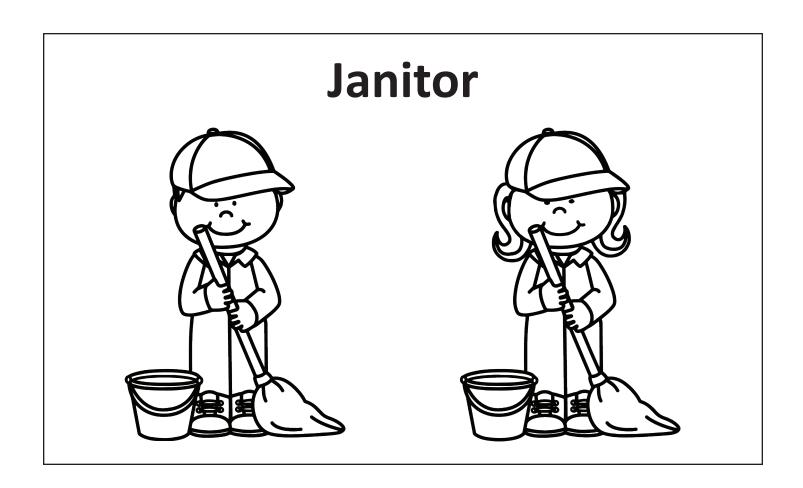
Subjects:

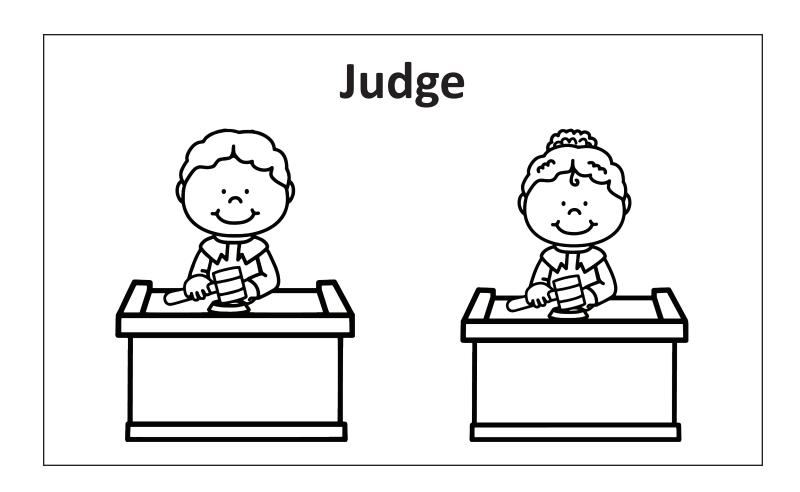
- Safety
- Health

Schooling:

· Complete short-term, on-the-job training

- Private households
- Resorts, motels, and hotels
- Nursing and personal care facilities
- Hospitals
- Cleaning services





Overview: Janitors keep buildings clean and in good condition.

Career Cluster: Hospitality and Tourism

Subjects:

- Physical Education
- Safety
- Health

Schooling:

· Complete short-term, on-the-job training

Where to Find Me:

- Janitorial services companies
- Schools
- Religious organizations

Overview: Judges and hearing officers review cases and make decisions about them based on the law.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

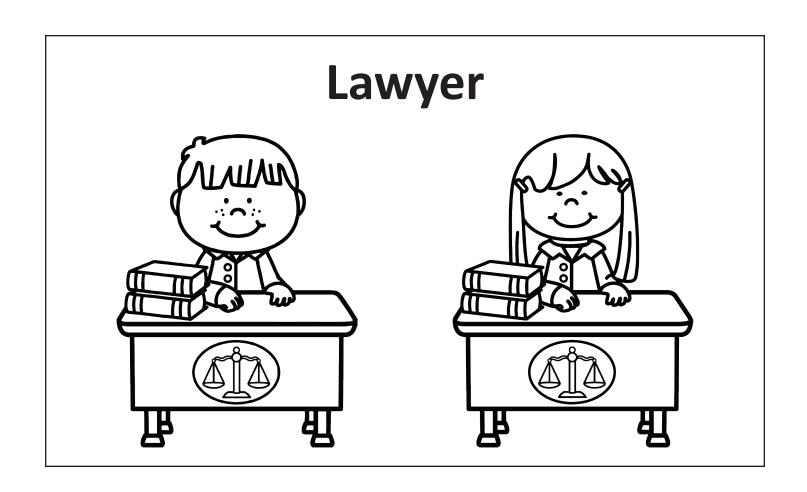
- Computers/technology
- Safety
- · Reading and writing
- Social studies

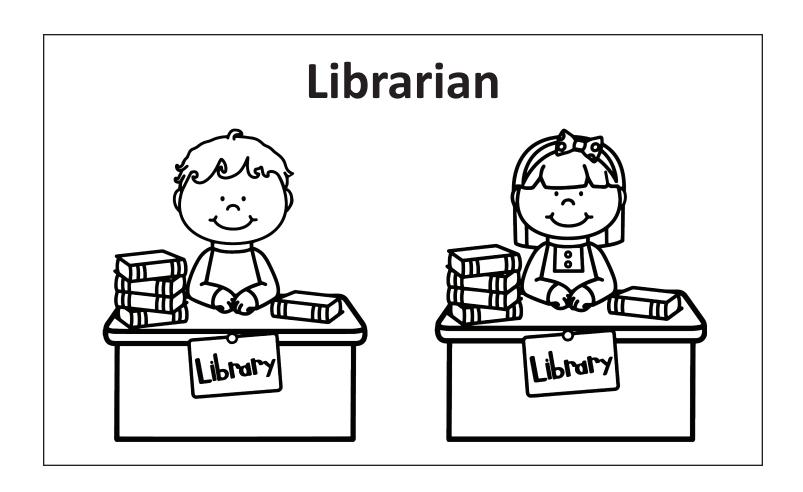
Schooling:

- Have a bachelor's degree
- · Complete a law degree
- · Have five years or more of experience as a lawyer
- · Complete short-term, on-the-job training

Where to Find Me:

Federal, state, and local government courts





Overview: Lawyers study, explain and apply laws to specific problems.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Reading and writing
- Social studies
- Computers/technology

Schooling:

- Have a bachelor's degree
- · Have a law degree
- · Pass the Bar exam for the state in which you want to practice

Where to Find Me:

- · Law firms
- · Local, state, and federal government agencies
- · Finance and insurance agencies

Overview: Librarians organize materials in libraries and help people locate them.

Career Cluster: Education and training

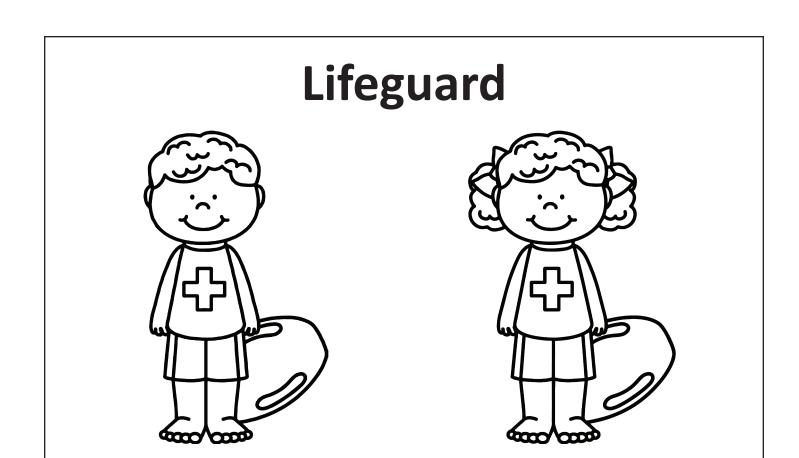
Subjects:

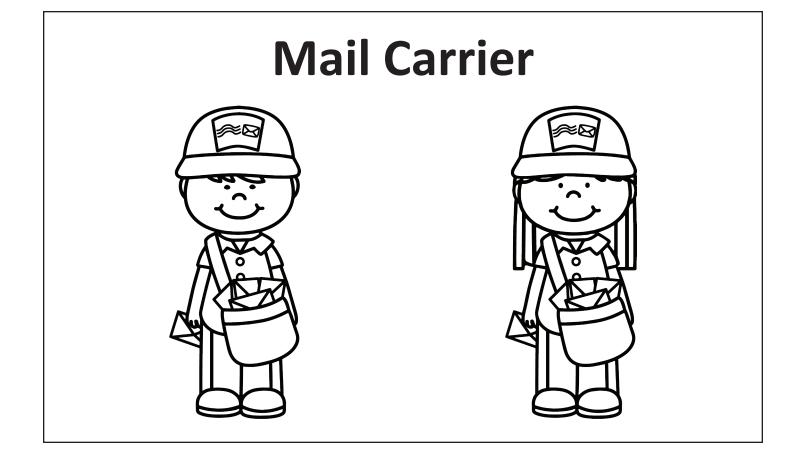
- Computers/technology
- Reading and writing
- Art (audio/visual)

Schooling:

- · Have a high school diploma or equivalent
- · Have a bachelor's degree
- · Have a master's degree in library and information science

- · Elementary, middle, and high schools
- Public libraries
- Colleges and universities
- Government agencies





Overview: Lifeguards monitor recreational areas, such as lakes and pools. They rescue people and provide first aid when needed. **Career Cluster:** Law, Public Safety, Corrections, and Security Subjects:

- Physical Education
- · First Aid/Safety
- Health

Schooling:

- · Have CPR certification
- Be an accomplished swimmer or skier
- · Complete short-term, on-the-job training

Where to Find Me:

- Local government agencies (pools and public beaches)
- Fitness and sports centers
- Country clubs
- Water parks
- · Resorts and hotels

Overview: Mail carriers deliver mail to homes and businesses along an established route.

Career Cluster: Business Management and Administration

Subjects:

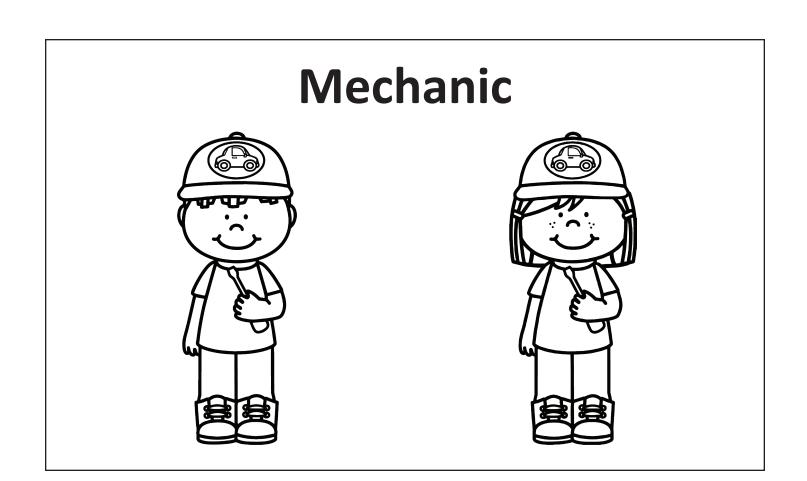
- Physical Education
- Safety
- Reading

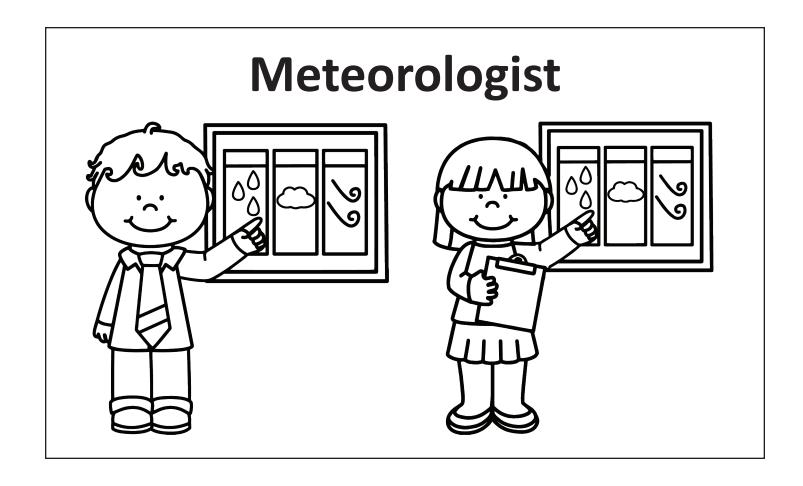
Schooling:

- High school diploma or equivalent
- · Complete short-term, on-the-job training

Where to Find Me:

US Postal Service





Overview: Automobile mechanics inspect, maintain, and repair cars and light trucks.

Career Cluster: Transportation, Distribution, and Logistics

Subjects:

- Computers/technology
- Reading
- Math
- Safety
- Science

Schooling:

- · High school diploma or equivalent
- Complete a formal training program
- · Complete short-term, on-the-job training

Where to Find Me:

- · Auto repair shops
- Auto dealerships
- Auto supply stores

Overview: Meteorologists study the earth's atmosphere and the ways it affects our environment.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

Math

Computers/Technology

Science

Art (audio/visual)

Reading

Safety

Schooling:

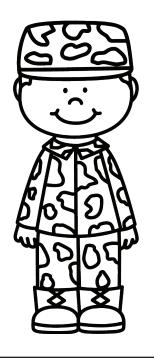
Complete at least a bachelor's degree in meteorology

Where to Find Me:

- Federal government agencies (National Oceanic and Atmospheric Administration, Weather Service)
- Weather consulting firms
- Research and testing stations
- · Radio and television stations

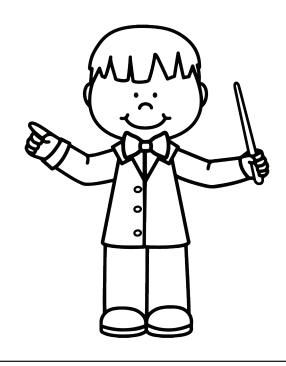
Overview:

Military





Music Conductor





Overview: Military enlisted personnel work in various occupations in the Army, Air Force, Coast Guard, Marine Corps, and Navy.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Physical Education
- First Aid/Safety
- Computers/technology
- Engineering
- · Reading and writing
- Math

Schooling:

Have a high school diploma or equivalent

Where to Find Me:

· Government base

Overview: Music composers, directors, and arrangers write, arrange, and direct music.

Career Cluster: Arts, Audio/Visual Technology, and Communications

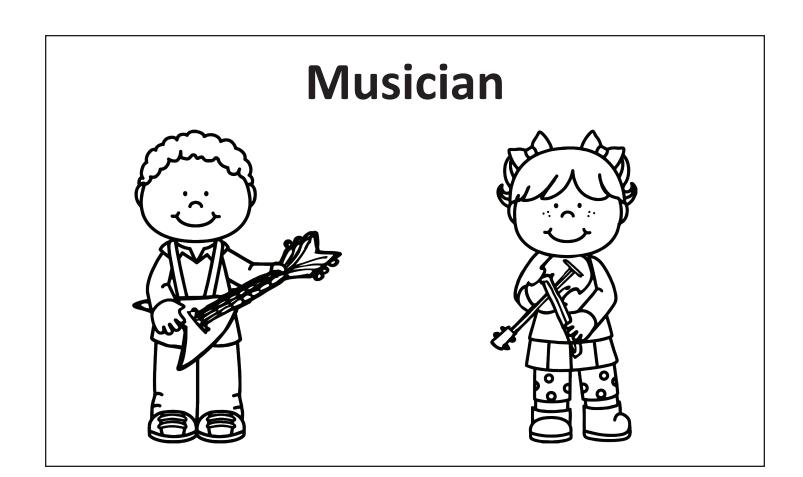
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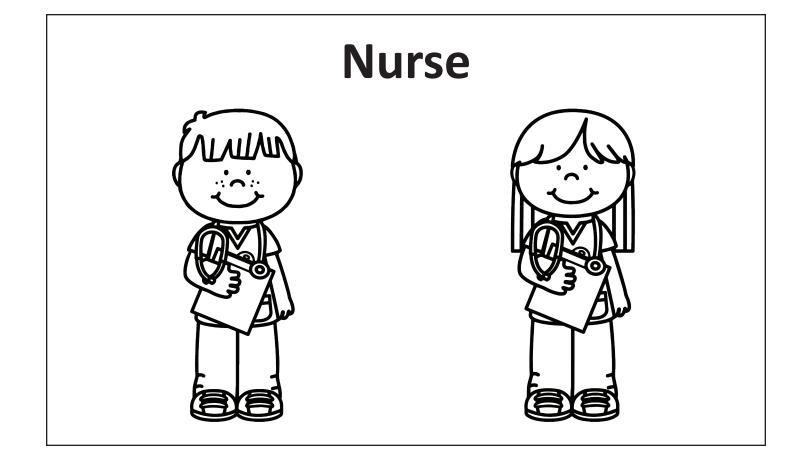
- Reading and writing
- · Art (music)

Schooling:

- Have a bachelor's degree in music
- · Have one to five years of experience as a musician

- Performing arts companies
- Religious Organizations





Overview: Musicians perform music on stage and in recording studios.

Career Cluster: Arts, Communications & Information Systems

Subjects:

- Reading and writing
- Band
- Chorus
- Computers/technology

Schooling:

- · Complete long-term, on-the-job training
- · Be talented

Where to Find Me:

- · Elementary, middle, and high schools
- Colleges and universities
- Motion picture and sound recording companies
- Performing arts and sporting events

Overview: Nurses care for patients who are ill or injured.

Career Cluster: Health Science

Subjects:

Science

· Safety and first aid

Math

Health

· Computers/technology

Schooling:

- Graduate from a nursing program (2-year or 4-year)
- Complete supervised clinical work experience
- · Have a license

- Hospitals
- · Doctor's offices
- · Home health care services
- Schools
- Nursing homes and other personal care facilities

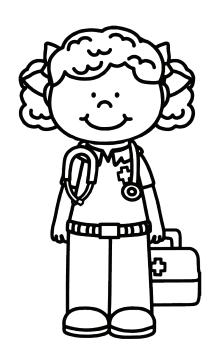
Painter





Paramedic





Overview: Painters apply paint, stain, varnish, and other finishes to buildings and other structures.

Career Cluster: Architecture and Construction

Subjects:

- Physical Education
- Safety
- Math

Schooling:

· Complete moderate-term, on-the-job training

Where to Find Me:

Painting and wallpaper hanging companies

Overview: Emergency medical technicians and paramedics give care to ill or injured people in emergency situations. If patients need more care, they drive them to medical facilities.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Math
- Science
- Computers/technology

- · First Aid/Safety
- Health

Schooling:

- · High school diploma or equivalent
- · Complete an approved emergency medical technician program
- · Be certified

- Hospitals
- Private ambulance firms
- Fire departments

Pharmacist





Photographer

Overview: Pharmacists dispense drugs and provide information about their use.

Career Cluster: Health Science

Subjects:

Science

First Aid/Safety

Math

Health

· Reading and writing

Schooling:

- · Complete at least two years of pre-pharmacy courses in college
- Graduate from a four-year pharmacy program
- · Complete an internship
- Pass a state licensing exam

Where to Find Me:

- Pharmacies and drug stores
- · Hospitals and clinics
- · Grocery store pharmacies

Overview: Photographers produce images that paint a picture, tell a story, or record an event.

Career Cluster: Arts, Audio/Visual Technology, and Communications

Subjects:

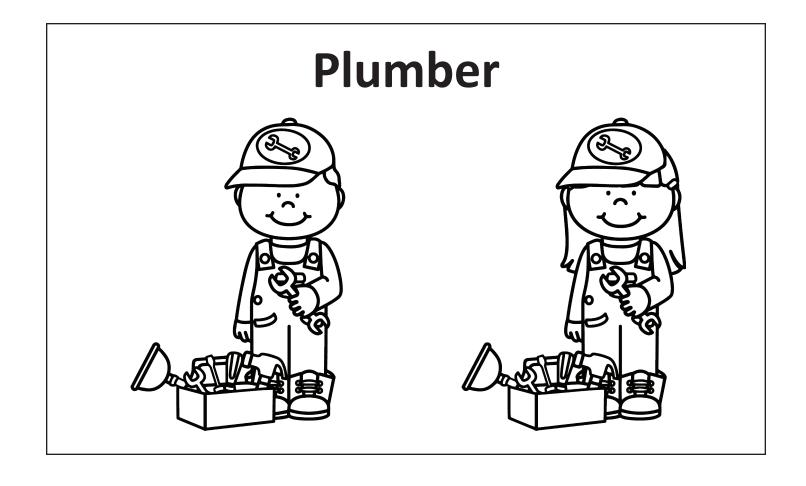
- Art
- Computers/technology
- Reading and writing

Schooling:

- · High school diploma or equivalent
- · Complete long-term, on-the-job training

- Photographic portrait studios
- Newspapers and magazines

Pilot



Overview: Airplane and commercial pilots fly airplanes and helicopters.

Career Cluster: Transportation, Distribution, and Logistics

Subjects:

- Math
- Science
- Computers/technology
- Engineering
- Reading
- Safety

Schooling:

- · High school diploma or equivalent
- · Complete flight training and requirements for a commercial pilot's license

Where to Find Me:

- National and regional airlines
- · Airports, flying fields, and airplane services
- Flight training schools

Overview: Plumbers and pipefitters install and repair pipe systems that carry water, steam, air, or other fluids or gases.

Career Cluster: Architecture and Construction

Subjects:

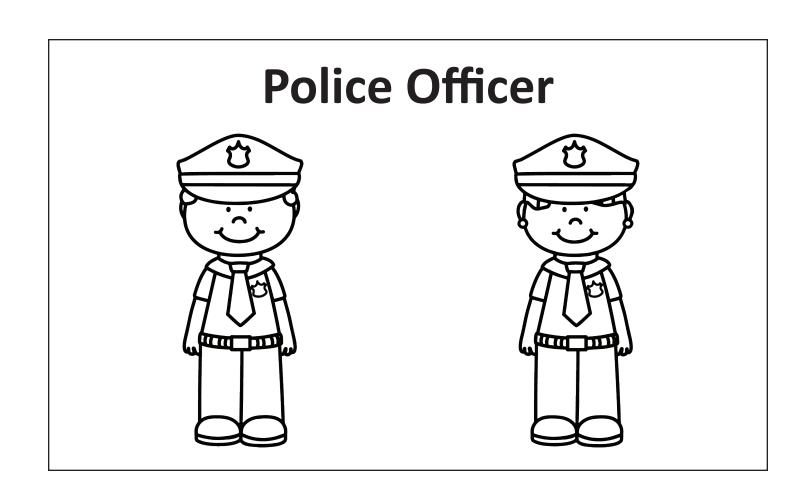
- Reading
- Art
- Math

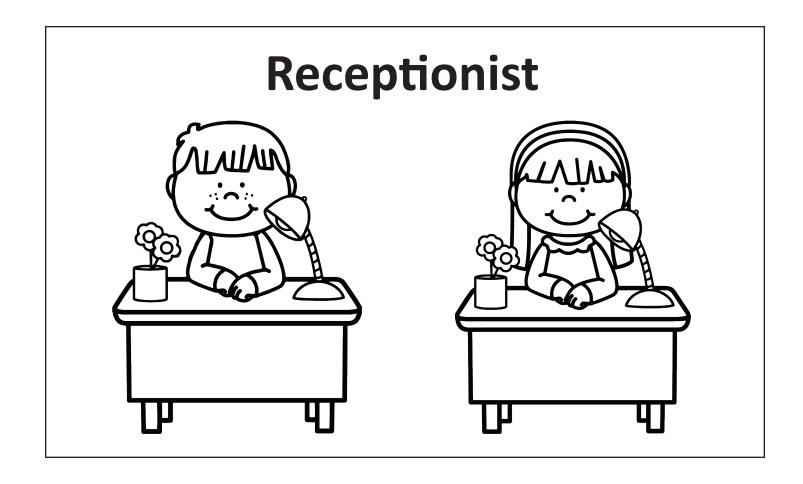
- Science
- Physical Education

Schooling:

- High school diploma or equivalent
- · Complete an apprenticeship program

- Construction and plumbing companies
- Pipeline transportation companies
- Repair services
- Utilities
- Transportation equipment companies





Overview: Police officers keep order in their communities and make sure that people follow the laws.

Career Cluster: Law, Public Safety, Corrections, and Security

Subjects:

- Physical Education
- First Aid/Safety
- Social studies
- Computers/technology

Schooling:

- · Have a high school diploma or equivalent
- · Complete moderate-term, on-the-job training

Where to Find Me:

· Local, state, and federal police departments

Overview: Secretaries and receptionists greet visitors, answer phone calls, and perform clerical duties.

Career Cluster: Business Management and Administration

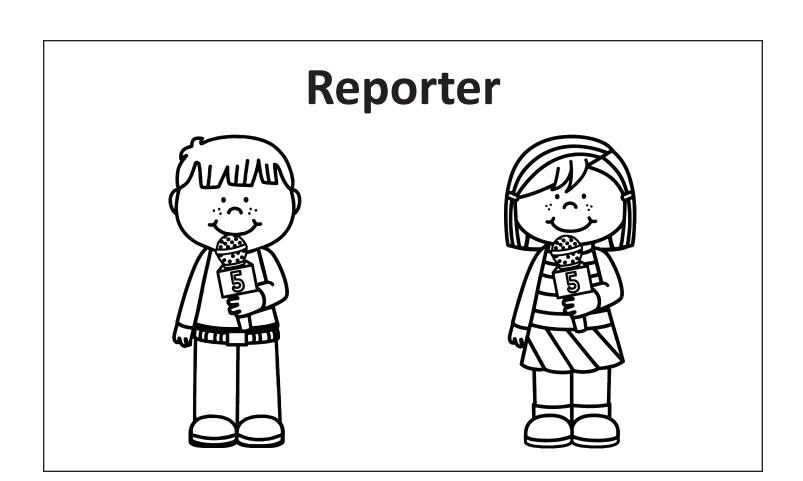
Subjects:

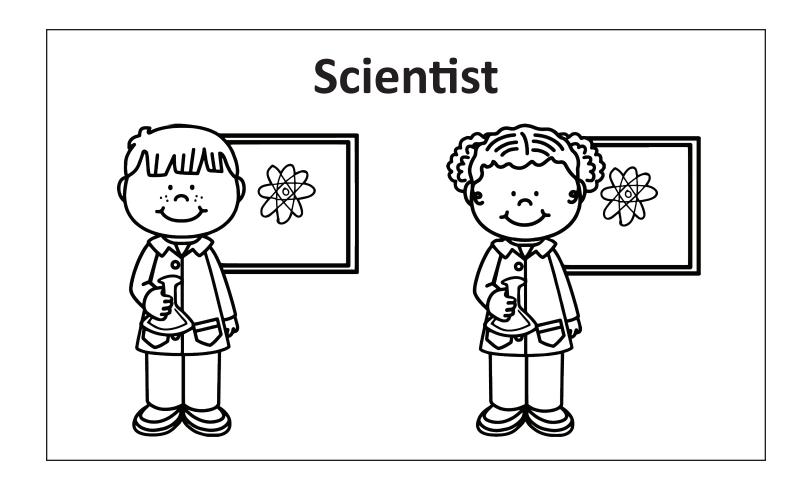
- Computers/technology
- · Reading and writing

Schooling:

- Have a high school diploma or equivalent
- · Complete short-term, on-the-job training

- Schools and colleges
- · Doctors' offices
- · Dentists' offices
- Temporary worker agencies
- · Local, state, and federal government agencies
- Hospitals





Overview: News reporters write and report news stories for newspaper, radio, or television.

Career Cluster: Arts, Audio/Visual Technology, and Communications

Subjects:

- · Reading and writing
- Computers/technology
- Geography

Schooling:

· Have a bachelor's degree

Where to Find Me:

- · Radio and television stations
- Newspapers

Overview: Scientists investigate systems in the natural world to solve problems and learn about the world around us.

Career Cluster: Science, Technology, Engineering, and Mathematics

Subjects:

- Reading and writing
- Computers/technology
- Math
- Science
- Safety

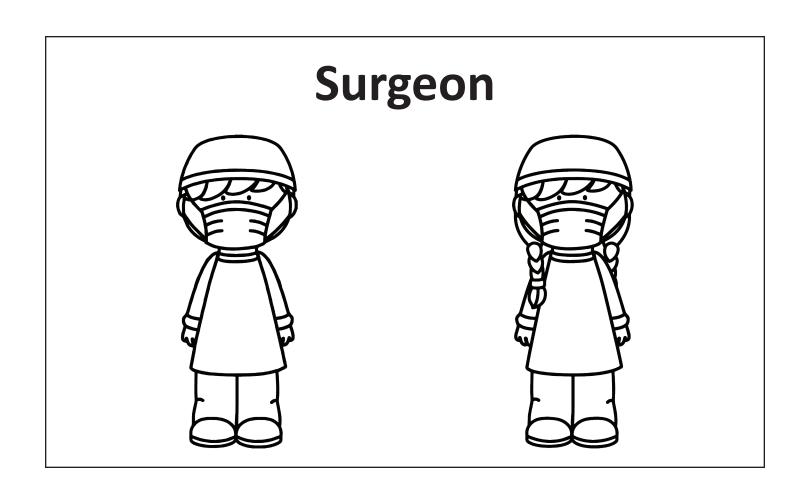
Schooling:

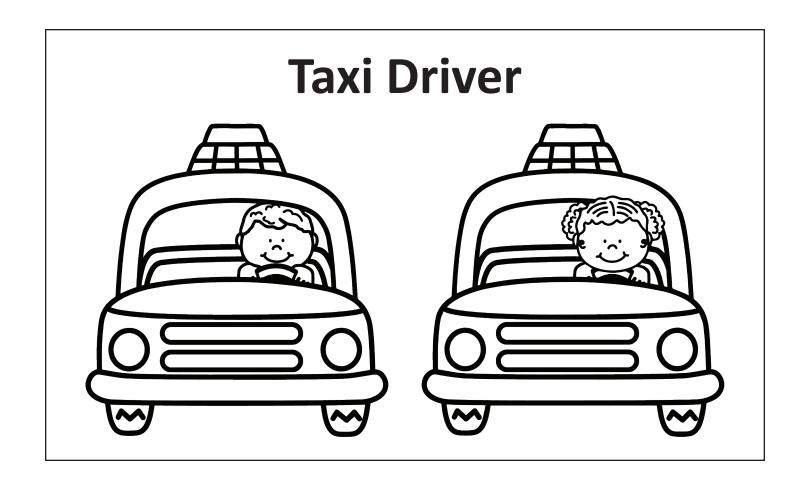
Have at least a bachelor's degree

Where to Find Me:

- Government agencies
- Colleges and universities
- · Research and development companies
- Drug companies

Food production companies





Overview: Surgeons perform surgery to diagnose and treat patients.

Career Cluster: Health Science

Subjects:

- Science
- Math
- · First Aid and safety

- Computers/Technology
- Health
- Reading

Schooling:

- Have a bachelor's degree
- · Graduate from medical school
- · Complete an internship
- Pass a state licensing exam
- · Complete a five-year residency program in surgery
- · Pass additional exams to become board certified

Where to Find Me:

- · Doctor's offices
- Hospitals
- · Federal, state, and local government agencies

Overview: Taxi drivers and chauffeurs transport passengers to and from their homes, work places, and other locations.

Career Cluster: Transportation, Distribution, and Logistics

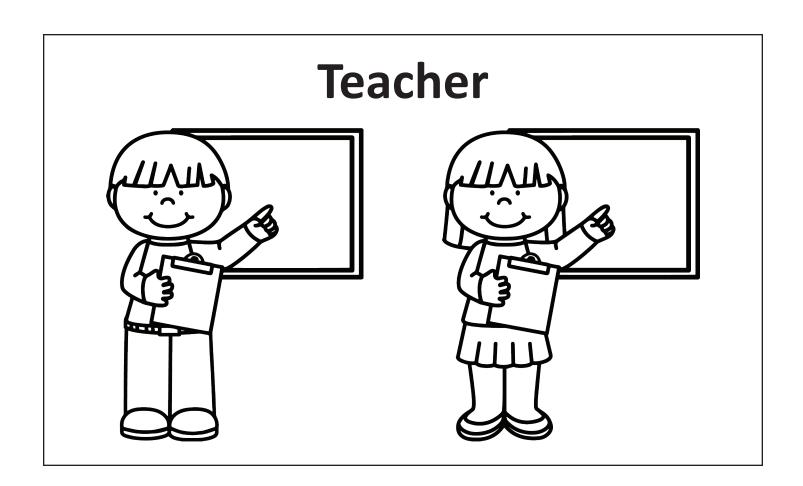
Subjects:

- Computers/technology
- Safety
- Reading
- Geography

Schooling:

- · Have a taxi or chauffeur's license
- · Have a driver's license and a good driving record
- · Complete short-term, on-the-job training

- Taxi and limousine companies
- Shuttle Services
- Car rental companies





Overview: Teachers help children explore their interests and develop their talents. They help children build self-esteem and learn how to behave with others.

Career Cluster: Education and Training

Subjects:

Math

Social studies

· Reading and writing

Science

Computers/technology

Schooling:

- · Have at least a bachelor's degree
- · Complete a teacher education program and student teacher internship
- Pass a state licensing exam

Where to Find Me:

- · Child day care
- · Elementary, middle or high school
- · Religious organizations

Overview: Trash collectors collect garbage and transport it to dumps or landfills.

Career Cluster: Agriculture, Food, and Natural Resources

Subjects:

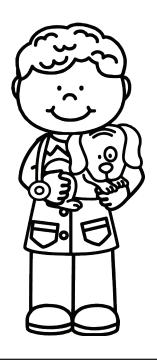
- Physical Education
- First Aid/Safety

Schooling:

· Complete short-term, on-the-job training

- Local government agencies (sanitation department)
- Trash collection companies
- Waste treatment and disposal companies

Veterinarian





Waiter/Waitress





Overview: Veterinarians treat animal health problems. They work to prevent, control, and cure animal diseases.

Career Cluster: Health Science

Subjects:

- Science
- Math
- · Reading and Writing
- Computers/technology
- First Aid/Safety
- Health

Schooling:

- · Complete at least two years of pre-veterinary study
- · Graduate from veterinary medicine school
- Pass a state licensing exam

Where to Find Me:

Veterinary hospitals and clinics

Overview: Waiters and waitresses serve food in restaurants and other dining establishments.

Career Cluster: Hospitality and Tourism

Subjects:

- Physical Education
- Safety
- Health
- Reading and writing

Schooling:

· Complete short-term, on-the-job training

Where to Find Me:

Full-service restaurants

