



Agriculture, Food and Natural Resources

Prepares learners for careers in the planning, implementation, production, management, processing and marketing of agricultural commodities and service.

Interests

Enjoy working with your hands
Enjoy working outside
Enjoy working with animals
Lifelong learning habits and self-motivated

Careers

Farmers
Ranchers
Animal Breeders
Foresters
Zoologist
Natural Science Managers
Hunters
Geological and Petroleum Technicians

Suggested High School Courses

Intro to ANFR, CASE Natural Resources & Ecology, Fundamental Animal Science, Adv. Animal Science, Ag Leadership & Communications, Ag Business Sales & Marketing, High School Student Internship, Physical Science, Biology, Biology 2, Chemistry, College Biology, Nutrition & Wellness, Culinary Arts.



Architecture & Construction

Careers in designing, planning, managing, building and maintaining the construction industry.

Interests

Enjoy working with your hands, using tools
Have an aptitude for math and science
Building homes or other structures
Building bridges & roadways

Careers

Architect
Brickmason or Cement Mason
Electrician or Plumber
Carpenter
Structural Steel Workers
Construction Inspector
Elevator Installer/Repairer
Roofer

Suggested High School Courses

Algebra, Geometry, Algebra 2, Pre-Calculus, Accounting, Welding 1, Welding 2, Adv. Welding, Mechanical Drafting, Architectural Drafting, Solid Works, Intro to Engineering, Two-D Media, Graphic Design Physical Science, Physics, Intro to Architecture a & Construction, Residential Construction, High School Internship.



Arts, A/V Tech & Communications

Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing art and journalism and entertainment services

Interests

Drawing pictures or cartoons to amuse people
Performing music, drama and or dance
Creating an original video or film
Sketching or painting or pictures
Taking photographs
Making jewelry, sculpture or ceramics
Designing an newspaper layout

Careers

Graphic Artist
Art, Theatre or Music Teacher
Newspaper Reporter
Photojournalist
Author or Writer or Director
Musician

Suggested High School Courses

All English courses, Band, Select Chorus, Women's Chorus, Music Appreciation, Journalism, Journalism 2, Adv. Computers, Computer Technology, Two-Media, Graphic Design, Photography, Mixed Media, Crafts, Intro to Computer Science, High School Internship, Hospitality & Tourism, Creative Writing.



Business, Management & Administration

Planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. These opportunities are available in every sector of the economy

Interests

- Running your own business
- Developing web pages
- Preparing reports
- Analyzing data
- Being a club officer
- Organizing a school event or fund raiser
- Managing tasks for a group

Careers

- Accountant or CPA
- Financial Manger
- Company Executive (CEO, CFO)
- Office Manager
- Public Relations Specialist
- Management Analyst
- Billing Clerk

Suggested High School Courses

English, Personal Business Finance, High School Internship, Accounting, Algebra1, Geometry, Algebra 2, Computer Technology, Intro to Computer Science, Adv. Computers, Journalism, Journalism 2, Pre-Calculus, Ag Business Sales & Marketing, Ag Leadership & Communication, Spanish 1, 2 &3, Graphic Design.



Education & Training

Planning and providing education and training services, and related learning support services

Interests

Tutoring or babysitting young children
Creating lesson plans
Attending summer camp
Help others draw, write or read
Create crafts, art or bulletin boards
Play games with spelling, reading or math
Coaching sports

Careers

School Counselor or School Psychologist
Teacher or Teacher's Aide
College Advisor
Day Care Center Director
Librarian
Vice-Principal or Principal

Suggested High School Courses

English, Math, Science, History, High School Internship, College Sociology, College Psychology, Child Development1, Child Development 2, Nutrition & Wellness, Culinary Arts, Hospitality & Tourism, Lifetime Fitness, Intro to Education, Spanish 1, 2 & 3, Creative Writing, Two-D Media, Graphic Design.



Finance

Planning, service for financial and investment planning, banking, insurance and business financial management

Interests

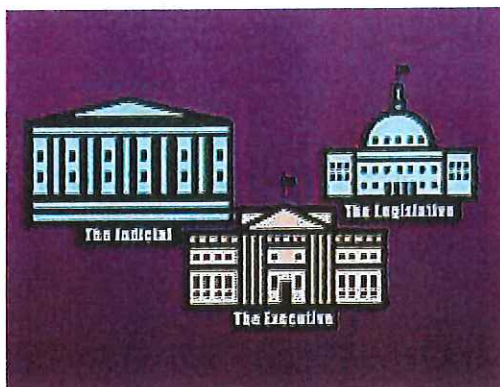
Investing money
Developing a budget
Using spreadsheets and financial computer programs
Being a treasurer of a club
Organizing a fund-raiser
Planning a mock stock market game
Studying investments and the stock market

Careers

Actuary
Appraiser
Financial Institution Manager (Banker)
Loan Officer (Mortgage or others)
Securities Trader
Tax Preparer or Auditor
Claim Examiner or Adjuster

Suggested High School Courses

Algebra 1, Geometry, Algebra 2, Computer Technology, Personal Business & Finance, Accounting, English courses, High School Internship, Pre-Calculus, College Psychology, College Sociology, Ag Business Sales & Marketing, Ag Leadership & Communications.



Government & Public Administration

Executing governmental functions to include Governance; National Security, Foreign Service, Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state and federal levels

Interests

- Participating in a debate or on a debate team
- Researching and writing grants
- Learning and speaking a foreign language
- Making speeches
- Running for class or club office
- Volunteering for school board/town board position
- Campaigning for political candidates

Careers

- Government Investigator (FBI, CIA, DIA)
- Public Works Director
- City or Town Manager
- Congressional Aide
- Legislative Assistant
- State Department Official

Suggested High School Courses

English, Personal Business & Finance, High School Internship, Spanish 1, 2 & 3, College Sociology, College Psychology, American Government, American History 1 & 2, Accounting, Computer Technology, Adv. Computers, Intro to Computer Science, Creative Writing, Journalism 1 & 2.



Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.

Interests

- Learn first aid or CPR
- Volunteer at a retirement home
- Learn how the body/mind work
- Watch medical shows on TV
- Be a team manager on a school athletic team
- Volunteer at a rescue squad

Careers

- Dietician
- Athletic Trainer
- Pharmacist
- Physician Assistant, Nurse, Radiologic Tech
- Music or Art Therapist
- Dentist or Physician or Surgeon
- Recreational, Occupational Therapists
- Physical Therapist
- Dental Lab Technician

Suggested High School Courses

Biology, College Biology, English, Child Development 1, Child Development 2, PE/Health, Algebra1, Algebra 2, Fitness Class, Lifetime Fitness, Weightlifting, High School Internship, College Psychology, College Sociology, Nutrition & Wellness, Culinary Arts, Spanish 1, 2 &3.



Hospitality and Tourism

Management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Interests

Planning vacations or school trips
Cooking and baking
Participating and working out
Planning school functions
Recreational activities
Being a lifeguard
Reading about other countries and cultures

Careers

Recreational Leader
Camp Counselor
Travel Agent
Hospitality Manager
Hotel Manager
Chef/Baker/Server/Cook
Tour Director

Suggested High School Courses

English, Spanish 1, 2 & 3, Geography 1 & 2, World History, Child Development 1, Child Development 2, College Psychology, College Sociology, Personal Business Finance, Fitness Class, Lifetime Fitness, Weightlifting, Hospitality & Tourism, Nutrition & Wellness, Culinary Arts, Graphic Design, Photography, Two-D Media, Crafts, Adv. Crafts, Creative Writing.



HR-Human Services

Preparing individuals for employment in career pathways that relate to families and human needs

Interests

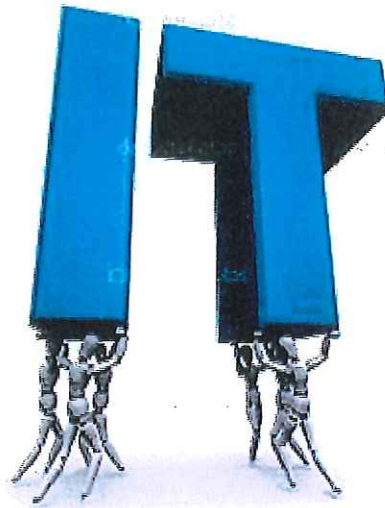
Listening and helping friends with problems
Working with the elderly
Shopping and comparing prices
Volunteering
Delivering food and clothes to people in need
Serving at a homeless shelter
Making family menus

Careers

Child Care Worker
Recreational Worker
Rehabilitation or Substance abuse Director
Deaf Interpreter Associate
Nutrition Counselor
Funeral Director or Clergy

Suggested High School Courses

Personal Business & Finance, College Sociology, College Psychology, Spanish 1, 2 & 3, English, Child Development 1, Child Development 2, Nutrition & Wellness, Biology, Biology 2, Computer Technology, Accounting, Two-D Media, Graphic Design, Intro to Computer Science, Ag Business Sales & Marketing, High School Internship.



IT Information Technology

Design, development, support and management of hardware, software, multimedia and systems integration services.

Interests

Play Video games
Assembly computer parts or repair systems
Write software programs
Develop web pages
Surf the internet
Analyzing data or information
Documenting and recording information
Learn or install software programs

Careers

System Engineers, Analysts or Architects
Database Administrators
Network Systems Analysts
Web Administrators
Business Intelligence Analysts
Computer Security Specialists

Suggested High School Courses

Algebra 1, Geometry, Algebra 2, Pre-Calculus, Computer Technology, Intro to Computer Science, Adv. Computers, Graphic Design, Accounting, High School Internship, English, Intro to Engineering, Intro to Drafting & Design, Solid Works, Photography, Creative Writing.



Public Safety, Corrections & Security

Planning, managing and providing legal, public safety; protective services and homeland security, including professional and technical support.

Interests

Reading mystery novels or watching mystery movies
Following court cases in the news
Listening to a police scanner
Volunteering to search for missing pets or children
Participating in a search and/or rescue training
Volunteering for the local fire department

Careers

Attorney or District Attorney
Corrections Officer
Court Reporter or Clerk
Police Officer or Detective
Polygraph Examiner
Fire Fighter or Inspector
Forensic Artist
Paralegal
Probation and Parole Officer

Suggested High School Courses

American History, American Government, College Psychology, College Sociology, Computer Technology, Algebra 1, Algebra 2, Spanish 1, 2 & 3, Lifetime Fitness, Fitness Class, English, Child Development 1, Child Development 2, Accounting, Intro to Computer Science, Adv. Computers, High School Internship, Creative Writing.



Manufacturing

Planning, managing and performing the procession of materials into intermediate or final products and related professional and technical support activities as production planning and the control, maintenance and engineering of products.

Interests

Sewing, weaving, knitting or other projects
Building things such as wood projects
Taking machine shop classes
Repairing machinery
Stalling and repairing home stereo equipment
Working with leather goods
Operating a printing press

Careers

Machine Operator
Welder
Cabinetmaker or Furniture maker
Textile Inspector, Tester
Health and Safety Specialist
Industrial Psychologist
Operations Research Analyst
Laborer

Suggested High School Courses

Algebra 1, Algebra 2, Geometry, Welding 1 & 2, Adv. Welding, Intro to Drafting & Design, Mechanical Drafting, Architectural Drafting, Residential Construction, Intro to Architectural Construction, Intro to Engineering, Solid Works, Weightlifting, Fitness Class, Lifetime Fitness, Health, High School Internship.



Marketing Sales & Service

Planning, managing and performing marketing activities to reach organization objectives.

Interests

- Give people advise on products they buy
- Sell products for fundraisers
- Take tours of houses for sale
- Design and model clothes
- Decorate homes or rearrange furniture
- Likes working with numbers
- Enjoy shopping
- Setting up a fashion show

Careers

- Real Estate Agent or Manager
- Real Estate Appraiser
- Fashion or Floral Designer
- Retail Store Manager or Clerk
- Customer Service Representative
- Sales manager
- Fashion Model

Suggested High School Courses

High School Internship, Personal Business & Finance, Two-D Media, Mixed Media, Graphic Design, Photography, Crafts, Adv. Crafts, Creative Writing, Computer Technology, Accounting, English, Algebra, College Psychology, College Sociology.



Science Technology, Engineering & Math

Planning, managing and providing scientific research and professional and technical services including (e.g. physical science, social science, engineering) laboratory and testing services and research and development services

Interests

Collecting rocks or fossils
Identifying plants and animals
Conducting science experiments
Watching the weather
Designing and test vehicles or planes
Developing new products or machinery
Stargazing
Designing experiments

Careers

Anthropologist
Physicist
Environmental Scientist
Engineer (nuclear, industrial, chemical, civil petroleum)
Aerospace Engineer
Computer Hardware Engineer

Suggested High School Courses

Physical Science, Biology, Biology 2, Chemistry, Chemistry 2, College Biology, Physics, Algebra 1, Geometry, Algebra 2, Pre-Calculus, English, Intro to Engineering, Intro to Computer Science, , Mechanical Drafting, Architectural Drafting, Solid Works, Intro to Drafting & Design, Intro to Architecture & Construction, Residential Construction, Wood Manufacturing, High School Internship, Computer Technology, Adv. Computers.

Transportation, Distribution and Logistics



Planning, management and movement of people, materials and goods by road, pipeline, rail, air and water and related services such as transportation, infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Interests

Playing with automobiles or trains
Loves flying
Loves boating
Interested in knowing how machines work
Interested in fixing all types of machines
Interested in the distribution of goods

Careers

Commercial Pilots
Traffic Technicians
Transportation Specialist
Aerospace Technicians
Air Cargo Handlers
Bus and Auto Mechanics
Motorboat Mechanics
Electrical Equipment Installers

Suggested High School Courses

Algebra, Geometry, Welding 1 & 2, Adv. Welding, Weightlifting, Fitness Class, Lifetime Fitness, Intro to Drafting & Design, Intro to Architecture & Construction, Residential Construction, Wood Manufacturing, Mechanical Drafting, Architectural Drafting, Intro to Engineering, High School Internship.