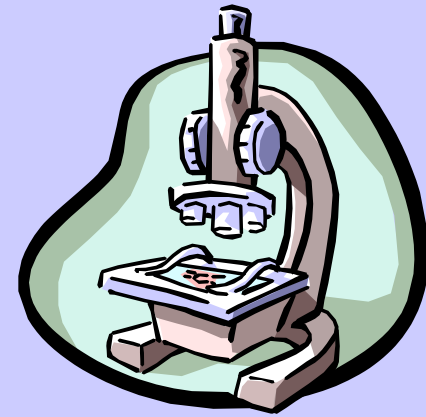
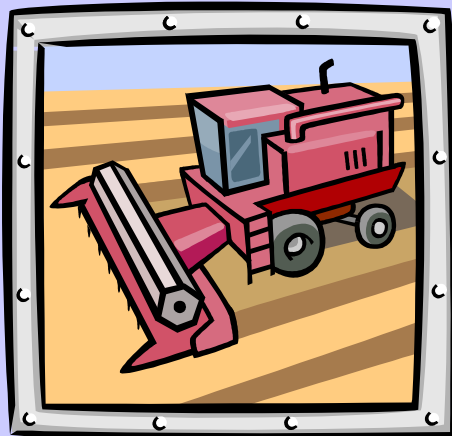


Learning the Careers in Agriculture



Objective #1

The learner will provide the definition of a career.

What is a career?

- A *chosen* pursuit; a profession or occupation.
- A career is a life-work chosen by a person to use *personal talent*, provide some *service or goods*, earn *money*, and *contribute to society*.
- Careers are those the particular occupation for which you are *trained*.

What are the seven agriculture career pathways?

- Food Products and Processing Systems
- Plant Systems
- Animal Systems
- Power, Structure and Technical Systems
- Natural Resource Systems
- Environmental Service Systems and
- Agribusiness Systems

Objective #2

The learner will identify and categorize the scope of the different careers into agriculture pathways.

Food Products and Processing Systems

The careers in this area deal with food processing and preserving, packaging, distribution, government monitoring & regulation)

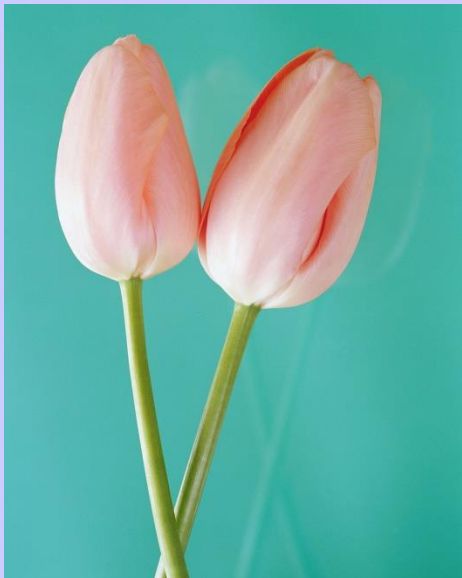


Career Examples in the Food Products and Processing Systems

- Agricultural Sales
 - Meat Processors-Toxicologists
- Biochemists-Nutritionists-Dieticians
 - Food Brokers-Food Inspectors
- Food Meal Supervisors Cheese Makers
 - Produce Buyers
 - Bacteriologists
 - Bioengineers
 - Food Processors
- Storage Supervisors

Plant Systems Pathway

Plant Systems deal with jobs related to agronomy, horticulture, forestry, turf, viticulture and soils.



Career Examples in the Plant Systems Pathway

- Bioinformatics Specialists
 - Farm Managers
- Commodity Marketing Specialists
 - Custom Hay Operators
 - Forest Geneticists
- Golf Course Superintendents
 - Greenhouse Growers

Animal Systems Pathway

Careers in this pathway work with large animals, small animals, wildlife animals, and research



Career Examples in the Animal Systems Pathway

- Livestock Producers
- Feed Sales Specialists
- Pet Shop Operators
- Reproductive Physiologists
 - Wildlife Biologists
 - USDA Inspectors

Power, Structure and Technical Systems Pathway

Careers in this area deal with power, structures, controls, geospatial technology, computer systems, electronics, hydraulics, and pneumatics.



Career Examples in the Power Structural and Technical Systems Pathway

- Machine Operators
- Agricultural Engineers
- Heavy Equipment Maintenance Technicians
 - Lab Specialists
 - Software Developers and Programmers
 - Welders
 - Machinists

Natural Resource Systems

Careers in this area deal with habitat conservation, forest products, parks and recreation, fisheries, soil conservation and much more!

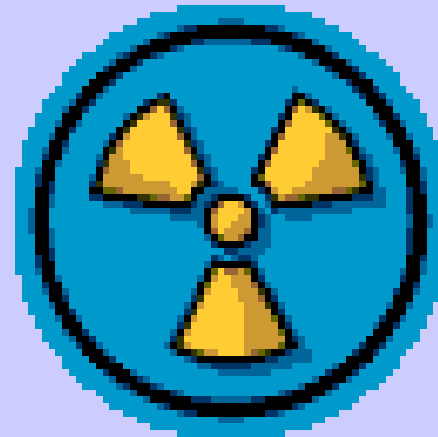
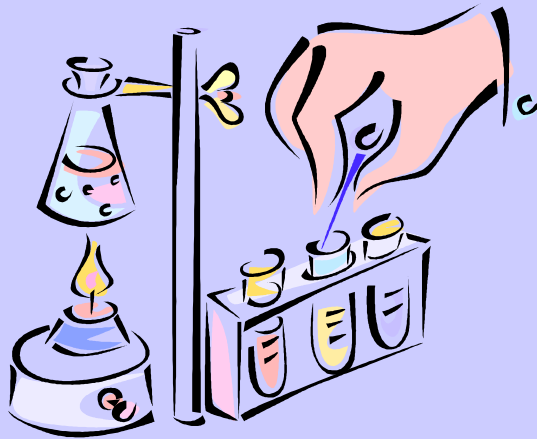


Career Examples in the Natural Resources Systems

- Cartographers
- Fish and Game Wardens
 - Mining Technicians
 - Log Graders
- Fish Hatchery Manager
- Commercial Fisherman
 - Range Scientists

Environmental Systems Pathway

Careers in this pathway deal with pollution prevention, water & air quality, hazardous materials, solid waste management, and health & safety sanitation.



Career examples in the Environmental Service Systems

- Pollution Prevention and Control Managers
 - Environmental Sampling and Analysis Scientists/Technicians
 - Health and Safety Sanitarians
- Environmental Compliance Assurance Managers
 - Hazardous Materials Handlers
 - Water Environment Managers
 - Toxicologists
 - Solid Waste Disposers / Recyclers

Agribusiness Systems Pathway

Careers in this area deal with sales, service, farm and ranch management, entrepreneurship, and economics .



Examples of Careers in the Agribusiness Systems Pathway

- Salesperson
- Sales Manager
- Banker/Loan Officer
- Field Representative for Insurance Company or Government Program
 - Agricultural Economist
 - Farmer /Rancher/Feedlot Operator
 - Products Buyer
 - Animal Health Products Distributor
 - Feed and Supply Store Manager
 - Produce Commission Agent
 - Chemical Sales Representative

Objective #3: The learner will identify skills necessary to be successful in the pathways for agricultural industry.

What knowledge and skills are necessary to be successful in the Agriculture Pathway?

- ◆ Academic Foundations
- ◆ Communications
- ◆ Problem Solving and Critical Thinking
- ◆ Information Technology Systems
- ◆ Knowledge of Safety, Health and Environment
- ◆ Leadership and Teamwork Skills
- ◆ Ethics and Legal Responsibilities
- ◆ Employability and Career Development
- ◆ Technical Skills