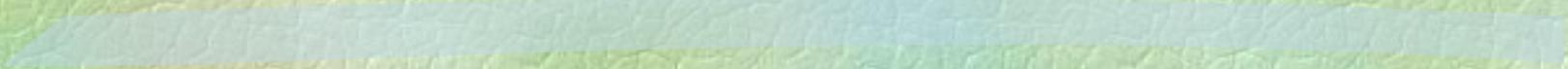


# Lesson



Exploring Careers in  
Agricultural Mechanics and  
Technology Systems

# Interest Approach



Write the name down of a person you feel is has been successful in life.



Under that name write down the reasons or traits that made that person successful.

# Vocabulary Terms



Adaptability



Personal skills



Practical Experience

# Student Objectives

 Explain the importance of agricultural mechanics to the industry of agriculture.

 Identify the major areas of specialization within agricultural mechanics.

 Identify the skills needed to be successful in a career in agricultural mechanics.

# Is agricultural mechanics important to the industry of agriculture?



Agriculture in the United States is becoming more and more mechanized every year.



Mechanization has been the key to reducing the labor and time required to produce the products needed to feed our growing population.

# Is agricultural mechanics important to the industry of agriculture?

 Mechanics and service people are necessary to keep the machines and equipment operating for agribusiness operators and farmers.

 To agricultural producers and agribusiness's, mechanization systems that function properly are essential for business survival.

 Such a system may be the difference between profit and loss for the business owner.

# Is agricultural mechanics important to the industry of agriculture?



For the farmer, reliable machinery may be the difference between getting a crop planted on time or not.

# MAJOR AREAS OF SPECIALIZATION IN AGRICULTURAL MECHANICS

## Agricultural Electrification, Power and Controls

Electrician  
Electrician Assistant  
Safety Technician  
Service Company Representative

## Agricultural Power Machinery

Equipment Deliveryperson  
Equipment Mechanic  
Farm Equipment Mechanic  
Local Dealer  
Machinery Setup Person  
Parts Person  
Salesperson  
Service Representative  
Tractor Mechanic

## Soil and Water Mechanical Practices

Agronomist  
Appraiser  
Conservationist  
Conservation Technician  
Ecology Technician  
Irrigation Operator  
Manager  
Soil Technician  
Water Control Manager

## Agricultural Mechanics, Construction, and Maintenance Skills

Construction Maintenance Worker  
Lubrication Specialist  
Machinery and Equipment Repairperson  
Shop Foreperson  
Safety Specialist

## Agricultural Structures, Equipment, and Facilities

Agriculture Structure Contractor  
Appraiser  
Building Maintenance Supervisor  
Construction Supervisor  
Farmstead Planner  
Waste Handling Specialist

# What are the major areas of specialization within agricultural mechanics?

 Agricultural Electrification, Power, and Controls: electrician, electrician assistant, safety technician, service company representative.

 Agricultural Power Machinery: equipment delivery person, equipment mechanic, local dealer, parts person, salesperson, service representative.

What are the major areas of specialization within agricultural mechanics?



Soil and Water  
Mechanical Practices:  
agronomist, appraiser,  
conservationist,  
irrigation operator, soil  
technician.

# What are the major areas of specialization within agricultural mechanics?



Mechanics,  
Construction, and  
Agricultural  
Maintenance Skills:  
construction  
maintenance worker,  
shop foreperson,  
safety specialist.



# What are the major areas of specialization within agricultural mechanics?



Agricultural Structures, Equipment, and Facilities: structure contractor, appraiser, building maintenance supervisor, farmstead planner, waste handling specialist.

# What skills are needed to be successful in a career in agricultural mechanics?

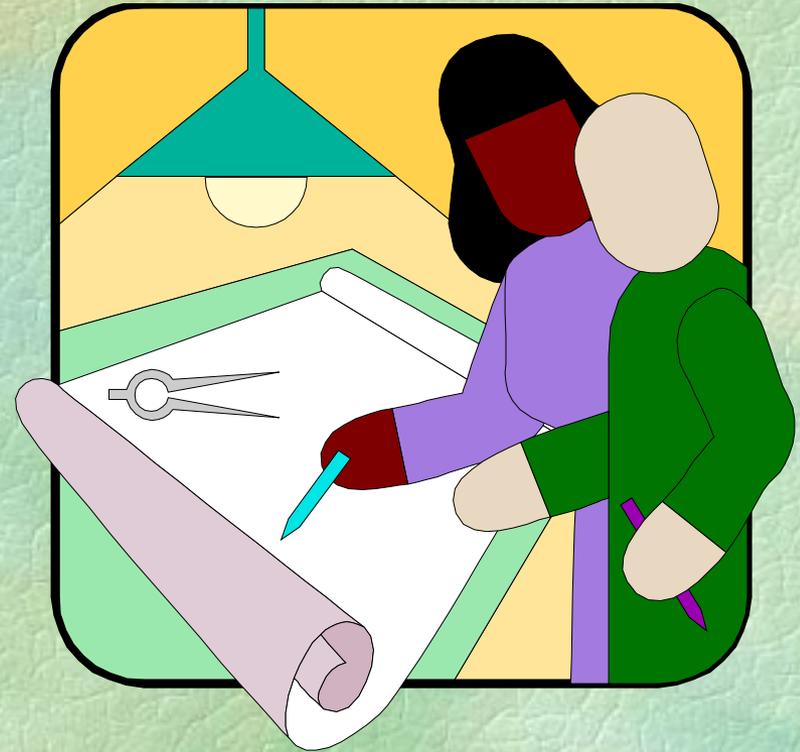
 Education - Most agricultural mechanics jobs require training in how to do the work.

-  Students can begin preparation in high school by taking courses in agricultural mechanics.
-  Then students may want additional training from a community college or a university.

# What skills are needed to be successful in a career in agricultural mechanics?



Practical experience-  
Activity that involves  
observation of  
practice, participation,  
and training in a  
specific job or event.



# What skills are needed to be successful in a career in agricultural mechanics?

- ❏ Practical experience in agricultural mechanics work is important.
- ❏ Students may begin while in high school with part-time and summer jobs

# What skills are needed to be successful in a career in agricultural mechanics?



Personal skills - Many kinds of personal skills are needed.

- Personal skills include the ability to get along with others, courtesy in dealing with others, and the ability to provide leadership.



# What skills are needed to be successful in a career in agricultural mechanics?



Honesty, responsibility, and dependability are also essential for success.

- ☐ Employers want people who will get to work on time and put effort into the work.



Honesty, responsibility, and dependability are also essential for success.

- ☐ Employers want people who will get to work on time and put effort into the work.

# What skills are needed to be successful in a career in agricultural mechanics?



Personal appearance - Employers want their employees to dress and groom appropriately.

- Employees should dress neatly in clean, well-kept clothes.
- Proper safety clothing may need to be provided as well.

# What skills are needed to be successful in a career in agricultural mechanics?



Adaptability - The ability to adjust to new or changed circumstances.

- ☒ People need to be able to adapt to changes.
- ☒ Agricultural mechanics work often changes as new developments become available.



Continuing education and training will be needed to keep up-to-date.

- ☒ Each individual has a personal responsibility to learn new techniques and new information.

# Review and Summary

 What is the importance of agricultural mechanics to the industry of agriculture.

 List the five major areas of specialization within agricultural mechanics.

 List the five skills needed to be successful in a career in agricultural mechanics.