

## Operate custom combining service.

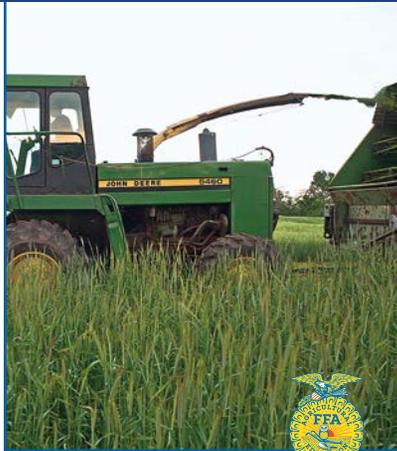


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a hay-hauling service.
- » Operate a custom spraying service.
- » Map fields, weeds, etc. for producers using GPS and GIS.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Precision Agriculture Specialist | Farm Business Manager | Mechanical Engineer

OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Operate custom hog-raising business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Test the selection of young pigs based on grade and lean yield at slaughter.
- » Start a manure removal business for acreage owners.
- » Shadow a butcher.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Breeding/Multiplication Manager | Livestock Buyer | Sow Farm Manager

OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Operate custom heifer-raising service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a veterinarian assistant.
- » Manage livestock show and supplies for FFA chapter.
- » Rent land from a neighbor and grow crops.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Feedlot Manager | Herdsmen | Animal Caretaker/Operations Manager

OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Work at a seed corn dealership.

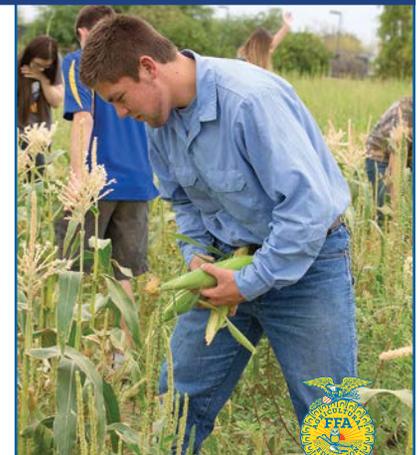


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a 10-minute presentation about careers in agribusiness for other FFA members.
- » Conduct insect scouting for a seed corn company.
- » Develop a test plot for various types of crops.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Commodity Procurement / Merchandiser | Retail Branch Manager | Agronomy Sales and Management

PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Operate a poultry litter clean-out service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study animal waste legislation at local, state and federal levels.
- » Start a manure-removal business for acreage owners.
- » Form a cooperative with other students to raise broiler chickens.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Poultry Farm Worker | Pressure Washer Operator | Sanitation Coordinator



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Start a franchise of an existing fruit/vegetable stand.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Deliver vegetables and/or fruits to customers for a local grower.
- » Study the impact of various styles of labels on people's perception of food.
- » Present a food safety demonstration to elementary students.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Supply Chain Manager | Inventory/Stock Specialist | Food Safety/Quality Assurance Manager



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Operate a lawn maintenance/mowing service.



### Is this right for me?

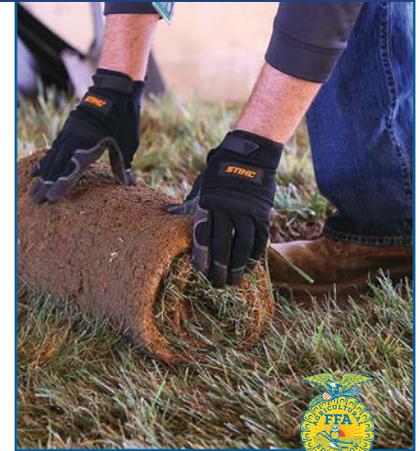
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct composting workshops for homeowners.
- » Design, build and sell lawn ornaments.
- » Start a leaf collection service in the fall and sell mulch in the spring.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Athletic Turf Manager | Nutrient/Waste Management Specialist | Landscape Designer



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Start a service that cleans leaves from gutters.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a leaf collection service in the fall and sell mulch in the spring.
- » Conduct composting workshops for homeowners.
- » Start your own pruning business.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sanitation Coordinator | Environmental Compliance Officer | Restoration Specialist



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Operate a hay-hauling service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start your own forage testing service.
- » Test forage samples under various conditions to determine feed values.
- » Work as a diesel mechanic assistant.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Truck Driver

Precision Agriculture Specialist

Shipping Coordinator



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Work as a produce manager in a grocery store.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist with produce selection at a grocery store.
- » Research why new food fails to sell.
- » Create posters that show foods from raw to finished product.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Customer Service Representative

Sales Representative: Food, Feed, Seed, Fuel

Food Safety/Quality Assurance Manager



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Operate a custom-spraying service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

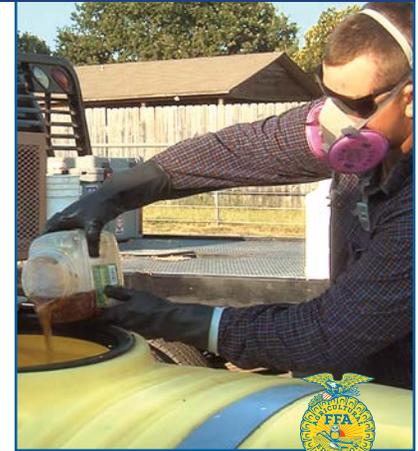
- » Map fields, weeds, etc. for producers using GPS and GIS.
- » Start a service to collect used pesticide containers.
- » Conduct a local water quality study.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Custom Applicator

Precision Agriculture Specialist

Aerial Applicator/  
Agricultural Pilot



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Work for a local cement company that builds agricultural structures.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Complete home or farmstead improvement construction activities.
- » Work on plumbing waste systems, air and water systems in agricultural settings.
- » Develop and implement a farm safety class for elementary students.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Warehouse/Facility Manager

Dispatcher

Heavy Equipment Operator/  
Forklift Operator



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work as a grain tester/handler for a local elevator.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Monitor dust levels in the air at various sites and times throughout the year.
- » Volunteer to do website and brochure development for local agricultural businesses.
- » Research the changes in buying habits among farmers over time.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Seed Production Technician

Seed Production Agronomist

Grain Elevator Manager



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work at a local feed store.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the changes in buying habits among farmers over time.
- » Research the best diet to help obese pets lose weight.
- » Create a 10-minute presentation for other FFA members about careers in agribusiness.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Feed Mill Operator

Retail Branch Manager

Logistics and Supply Chain Manager



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Be a sales associate at a garden or farm supply store.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the changes in buying habits among farmers over time.
- » Create an ad promotion for local food products on your chapter website.
- » Create a 10-minute presentation for other FFA members about careers in agribusiness.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Retail Branch Manager

Sales Representative: Food, Feed, Seed, Fuel

Marketing Specialist



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work for a local tax accountant who handles agriculture customers.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Volunteer to assist FFA members with records and applications.
- » Study the change in input costs over time for a given agricultural business.
- » Research the amount of a consumer's dollar that reaches the farmer in various commodities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Accountant

Budget Analyst

Controller



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work for a local agricultural insurance agency.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

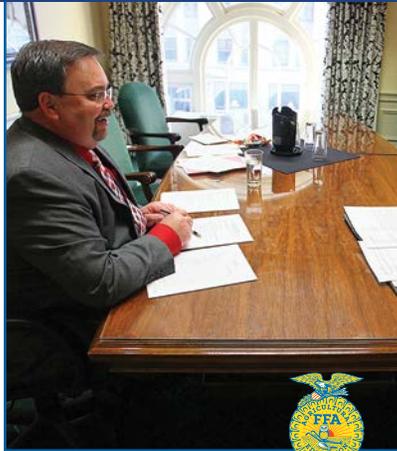
- » Research cost of production in your area compared to other areas of your state/country.
- » Shadow an agriculture banker or loan officer.
- » Each week, find two articles about the economics of agriculture.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Crop Adjuster

Risk Management  
Manager

Agriculture Financial  
Service Representative



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Volunteer to assist FFA members with records and applications.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a local tax accountant who handles agriculture customers.
- » Assist other students in applying for youth loans.
- » Create hands-on classroom activities.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Accounting Manager

Budget Analyst



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work for an agricultural marketing services company.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview salespeople at the local greenhouse about customer buying habits.
- » Create an ad promotion for local food products on your chapter website.
- » Volunteer to do website and brochure development for local agricultural businesses.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Marketing Specialist

Public Relations Specialist

Process/Continuous  
Improvement Manager



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work for an irrigation service provider.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist landowners with installation of soil conservation practices.
- » Assist community watershed action groups.
- » Research the water savings accomplished by new irrigation technologies.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist

Water Treatment  
Technician

Hydrologist



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Work for an agriculture auctioneer service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Manage a livestock show and supplies for your FFA chapter.
- » Work at a livestock farm or a ranch.
- » Staff FFA displays that have farm animals at county and state fairs.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Livestock Auctioneer

Livestock Buyer

Communications Specialist



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Interview salespeople at the local greenhouse about customer buying habits.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

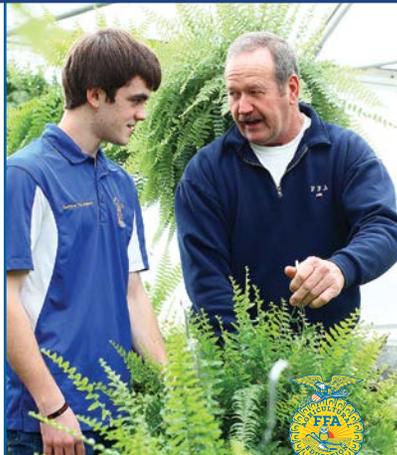
- » Take inventory of and categorize all agriculture-related businesses in the community.
- » Start a weekly price-reporting service to publish in a newsletter.
- » Work at a nursery.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Purchasing Analyst

Sales Representative: Food, Feed, Seed, Fuel

Greenhouse Manager



EXPLORATORY

## AGRIBUSINESS SYSTEMS

## Work as an assistant sales manager at a turf equipment company.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

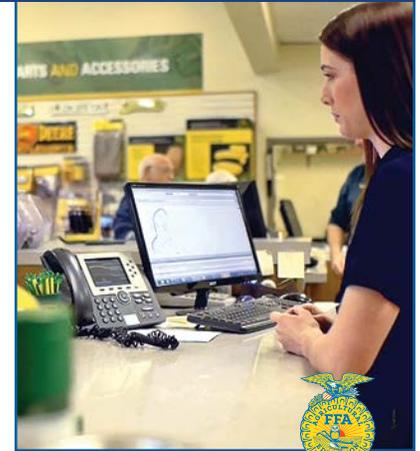
- » Work for an agricultural marketing services company.
- » Research the best turf grass varieties for your area.
- » Research the effects of erosion on various cover crops.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Athletic Turf Manager

Sales Trainer

Chief Operating Officer



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Take inventory of and categorize all agriculture-related businesses in the community.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a 10-minute presentation about careers in agribusiness for other FFA members.
- » Each week, find two articles about the economics of agriculture.
- » Produce a weekly column about agricultural issues for a newspaper.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Lobbyist

Agricultural Literacy and Advocacy Specialist

Chief Executive Officer



EXPLORATORY

## AGRIBUSINESS SYSTEMS

## Research cost of production in your area compared to other areas of your state/country.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the cost versus return of automating systems in an agricultural processing facility.
- » Research the changes in buying habits among farmers over time.
- » Work as an intern for the local agriculture department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Financial Analyst | Agricultural Literacy and Advocacy Specialist | Purchasing Analyst



RESEARCH

## AGRIBUSINESS SYSTEMS

## Research the changes in buying habits among farmers over time.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an agricultural marketing services company.
- » Start a weekly price-reporting service to publish in a newsletter.
- » Be a sales associate at a garden or farm supply store.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Financial Service Representative | Pricing Coordinator | Product Development Manager/Demand Planner



RESEARCH

## AGRIBUSINESS SYSTEMS

## Study the change in input costs over time for a given agricultural business.



### Is this right for me?

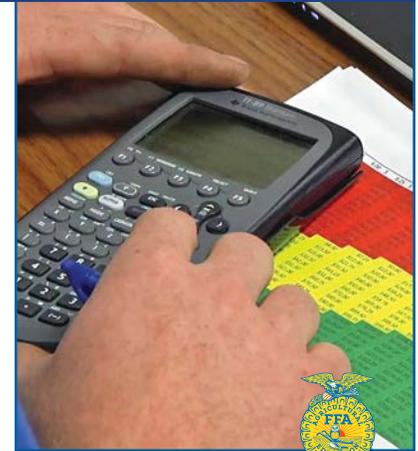
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the changes in buying habits among farmers over time.
- » Research the water savings accomplished by new irrigation technologies.
- » Work for a local tax accountant who handles agriculture customers.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Financial Analyst | Budget Analyst | Agriculture Financial Service Representative



RESEARCH

## AGRIBUSINESS SYSTEMS

## Research the amount of a consumer's dollar that reaches the farmer in various commodities.



### Is this right for me?

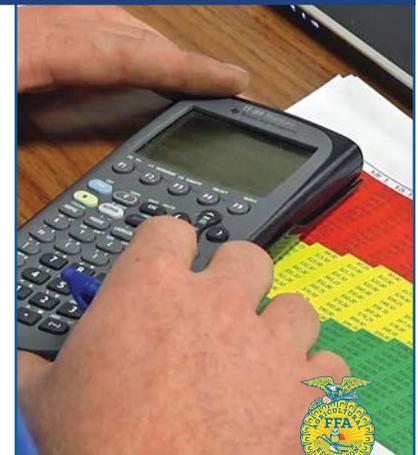
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an intern for the local agriculture department.
- » Each week, find two articles about the economics of agriculture.
- » Work for a local tax accountant who handles agriculture customers.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Financial Analyst | Chief Financial Officer | Purchasing Analyst



RESEARCH

## AGRIBUSINESS SYSTEMS

## Conduct insect scouting for a seed corn company.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the impact of various insects on woodlot management.
- » Work for an agricultural seed cleaning and bagging company.
- » Work as a grain tester/handler for a local elevator.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Crop Scout

Entomologist

Pest Control Advisor



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

### Start a weekly price-reporting service to publish in a newsletter.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

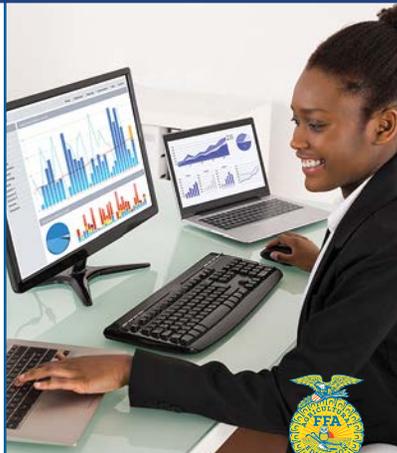
- » Each week, find two articles about the economics of agriculture.
- » Research cost of production in your area compared to other areas of your state/ country.
- » Create podcasts about agricultural issues.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Purchasing Analyst

Agriculture Broadcaster

Agriculture Financial Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS

## Assist other students in applying for youth loans.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

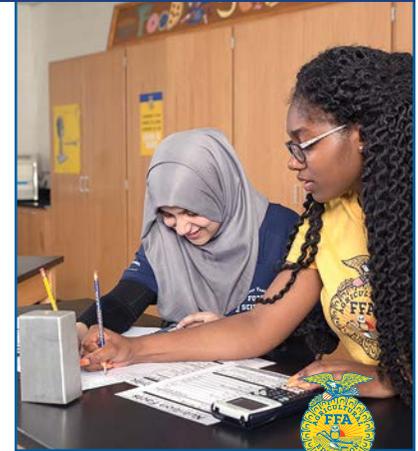
- » Shadow an agriculture banker or loan officer.
- » Volunteer to assist FFA members with records and applications.
- » Work for a local tax accountant who handles agriculture customers.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Credit Analyst

Risk Management Specialist



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

### Each week, find two articles about the economics of agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research cost of production in your area compared to other areas of your state/ country.
- » Shadow an agriculture banker or loan officer.
- » Produce a weekly column about agricultural issues for a newspaper.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Journalist

Agriculture Financial Service Representative

Agriculture Financial Service Representative



RESEARCH

## AGRIBUSINESS SYSTEMS

## Shadow an agriculture banker or loan officer.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the amount of a consumer's dollar that reaches the farmer in various commodities.
- » Assist other students in applying for youth loans.
- » Each week, find two articles about the economics of agriculture.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Loan Officer

Credit Analyst

Crop Adjuster



EXPLORATORY

## AGRIBUSINESS SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):



OWNERSHIP/ENTREPRENEURSHIP

## AGRIBUSINESS SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):



RESEARCH

## AGRIBUSINESS SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):



PLACEMENT/INTERNSHIP

## AGRIBUSINESS SYSTEMS

## Create a 10-minute presentation about careers in agribusiness for other FFA members.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Take inventory of and categorize all agriculture-related businesses in the community.
- » Create hands-on classroom activities.
- » Work as an intern for the local agriculture department.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Agricultural Literacy and Advocacy Specialist

Agriculture Journalist

EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Provide a website and brochure development service for local agricultural businesses.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a basic computer help service for area agriculture producers.
- » Work for an agricultural marketing services company.
- » Maintain your chapter webpage.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Social Media Strategist

Communications Specialist

Information Technology Web Developer

OWNERSHIP/ENTREPRENEURSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Work as an intern for the local agriculture department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create podcasts about agricultural issues.
- » Create and produce a weekly television or radio show about FFA and agriculture.
- » Shadow officials at a government natural resources agency.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Advisor: Government/ Stakeholder Relations

Agriculture Legislative Assistant

Agricultural Lawyer

PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Produce a weekly column about agricultural issues for a newspaper.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Each week, find two articles about the economics of agriculture.
- » Work as an intern for the local agriculture department.
- » Shadow officials at a government natural resources agency.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Journalist

Agricultural Lobbyist

Communications Specialist

PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create hands-on classroom curriculum activities.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a teaching model to show how a small gas engine works.
- » Conduct a field demonstration on GPS systems for elementary students.
- » Create activities or laboratories for a natural resources class.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Extension Faculty

College/University Professor



PLACEMENT/INTERNSHIP



## Create posters that show foods from raw to finished product.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an agricultural marketing services company.
- » Help at a local fruit/vegetable stand.
- » Study the impact of various styles of labels on people's perception of the food.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Extension Agent

Marketing Specialist

Agriculture Science Teacher



EXPLORATORY



## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create an ad promotion for local food products on your chapter website.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an agricultural marketing services company.
- » Research why new food fails to sell.
- » Study the impact of various styles of labels on people's perception of the food.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Marketing Specialist

Agricultural Literacy and Advocacy Specialist

Food Stylist



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Provide outdoor educational material at camps.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

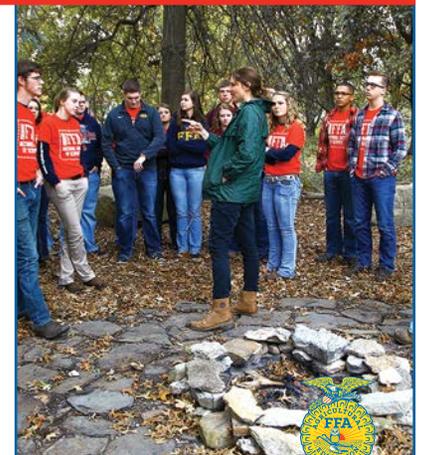
- » Research your local parks to find out what activities people like and use the most.
- » Work for the natural resources and conservation district.
- » Work for a nature center.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Extension Agent

Conservationist

Human Resources Manager



PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION



## Staff FFA displays that have farm animals at county and state fairs.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

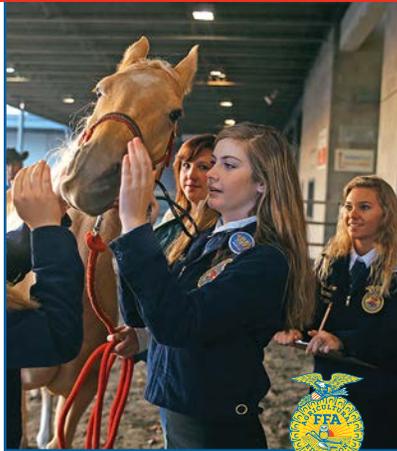
- » Plan and implement a “hands-on” livestock field trip.
- » Manage a livestock show and supplies for your FFA chapter.
- » Create posters that show foods from raw to finished product.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Agriculture Science  
Teacher

Event Manager

Public Relations Specialist



PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Prepare a food safety information kit covering safe handling of meat, eggs and other fresh food products.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research incidents of food-borne illnesses in the community.
- » Present a food safety demonstration to elementary students.
- » Create posters that show foods from raw to finished product.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Sanitation Coordinator

Food Safety Specialist

Food Safety/Quality  
Assurance Manager



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Plan and implement a “hands-on” livestock field trip.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

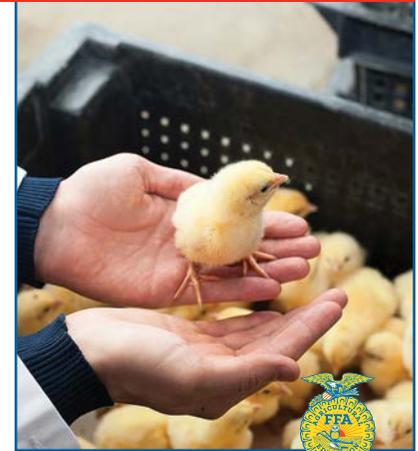
- » Organize and/or run a petting zoo at local fairs or farmers' markets.
- » Work at a livestock farm or a ranch.
- » Plan a wildlife field trip.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Agriculture Science  
Teacher

Agricultural Literacy and  
Advocacy Specialist

Ranch Manager



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Present a food safety demonstration to elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research incidents of food-borne illnesses in the community.
- » Interview three companies that process or package food products.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh food products.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Agriculture Science  
Teacher

Food Safety Specialist

Occupational Health and  
Safety Manager



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create activities or laboratories for a natural resources class.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Habitat construction—make brush piles, plant wildlife habitat, etc.
- » Organize and participate in a wildlife field day.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Agricultural Literacy and Advocacy Specialist

College/University Professor



SCHOOL-BASED ENTERPRISE

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Organize and participate in a wildlife field day.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a park service during the summer.
- » Shadow officials at a government natural resources agency.
- » Work for the fish and game department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Event Manager

Agriculture Science Teacher

Game Warden



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Start your own fish pond to sell fish and fishing lessons.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise fish for the state fish and game department.
- » Work at a bait shop.
- » Raise fish and sell to local restaurants.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fisheries Technician

Aquaculture Hatchery Manager

Game Warden



OWNERSHIP/ENTREPRENEURSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Plan a field trip to a local farm for elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

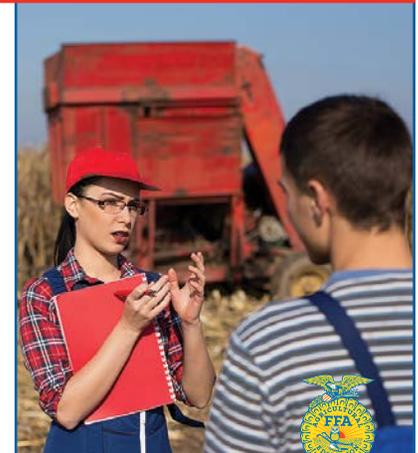
- » Work for the state or national agriculture department.
- » Intern for a farm organization.
- » Work for an agricultural tour company.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Event Manager

Extension Agent



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create posters on soil conservation practices for homeowners.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

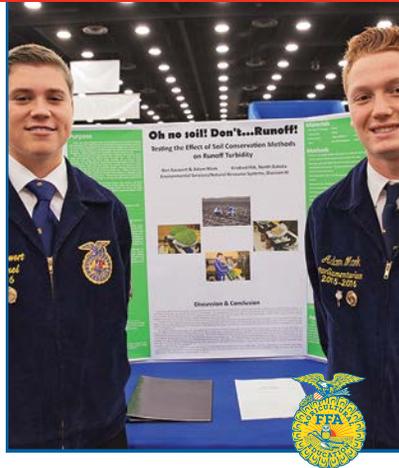
- » Create and sell soil survey maps for area farmers and landowners.
- » Study soil profiles from multiple locations in your community and develop a soil map.
- » Research the benefits of a Conservation Resource Program (CRP).

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Soil Scientist

Extension Agent



EXPLORATORY



## Create a brochure on creating wildlife habitats in backyards to share with the community.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

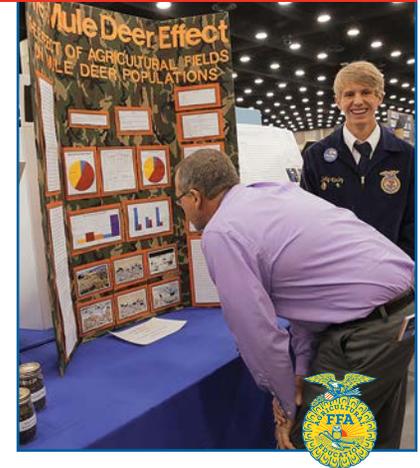
- » Habitat construction—make brush piles, plant wildlife habitat, etc.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Interview a naturalist.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Restoration Specialist

Environmental Compliance Officer

Extension Agent



EXPLORATORY



## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create a brochure about common houseplant diseases and how to take care of them.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

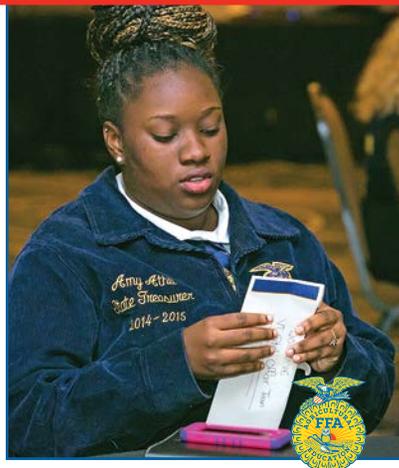
- » Grow and sell plants through the high school greenhouse.
- » Plan plant-related activities and laboratories for your class.
- » Work for a local flower shop doing design, plant care, deliveries, etc.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horticulturist

Extension Agent

Greenhouse Manager



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design custom computer programs using Excel or other software to solve problems for producers.
- » Shadow a computer professional in any agriculture-related industry.
- » Research the differences among farm management software systems.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Information Technology Analyst

Information Technology Specialist

Customer Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION



## Design and sell business cards, stationery, etc. for agricultural businesses or chapter members.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

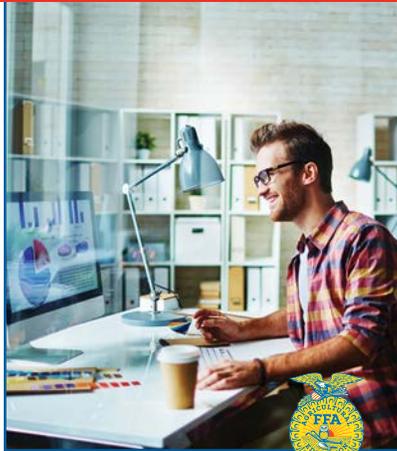
- » Work for an agricultural marketing services company.
- » Maintain the chapter webpage.
- » Perform website and brochure development for local agricultural businesses.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Brand Manager

Graphic Design Artist

Human Resources Generalist



OWNERSHIP/ENTREPRENEURSHIP



## Conduct a field demonstration on GPS systems for elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

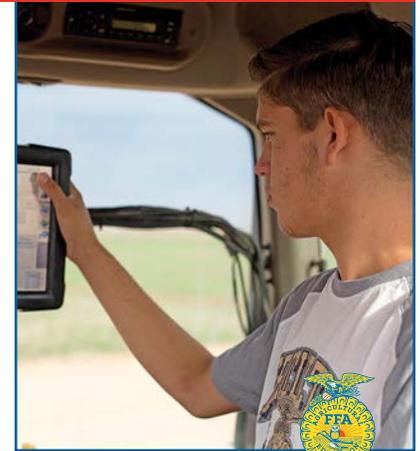
- » Assist with GPS mapping for an agronomic services company.
- » Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.
- » Start a custom spraying service that utilizes GPS.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Geospatial Analytics Scientist

Precision Agriculture Specialist



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Design a classroom demonstration on automated systems.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a local university in the area of robotics in agriculture.
- » Research the cost versus return of automating systems in an agricultural processing facility.
- » Shadow a computer professional in any agriculture-related industry.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Research and Development Technician

Automation Technician/Coordinator



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create FFA recruiting or promotional videos.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create podcasts about agricultural issues.
- » Work for an agricultural marketing services company.
- » Create a 10-minute presentation about careers in agribusiness for other FFA members.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Marketing Specialist

Agriculture Journalist

Agriculture Broadcaster



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION



## Create and produce a weekly television or radio show about FFA and agriculture.



### Is this right for me?

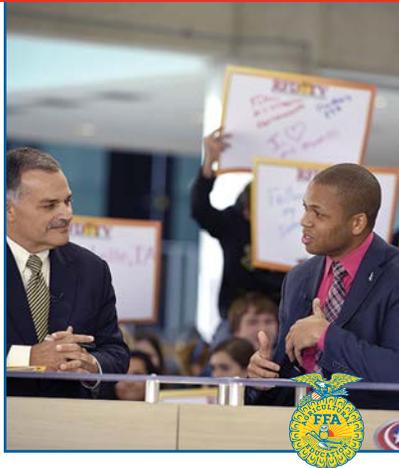
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create podcasts about agricultural issues.
- » Interview area agriculture producers about the changes in technology over the past 50 years.
- » Interview three companies that process or package food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Broadcaster | Agriculture Journalist | Public Relations Specialist



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the benefits of using GIS mapping for natural resources.
- » Map fields, weeds, etc. for producers using GPS and GIS.
- » Study soil profiles from multiple locations in your community and develop a soil map.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Precision Agriculture Specialist | Geospatial Analytics Scientist



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Maintain the chapter web page.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Make business cards, stationery, etc. for businesses or chapter members.
- » Work for an agricultural marketing services company.
- » Design a website for a local agriculture group.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Information Technology Web Developer | Social Media Strategist | Graphic Designer



PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create a teaching model to show how a small gas engine works.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an assistant for an auto, truck or tractor mechanic.
- » Construct prototypes of hydraulic systems.
- » Work for a small engine repair shop—overhaul and repair.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | College/University Professor | Mechanical Engineer



EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create a demonstration model that shows proper and improper welding techniques.

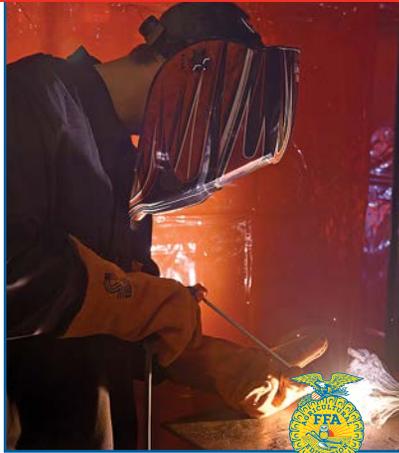


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Test the strength of different types of welds.
- » Work in a welding shop.
- » Manage the steel inventory in the agriculture shop.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Mechanical Engineer

Welder

EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Lead a farm safety program for elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research rate of accidents on area farms and compare to national averages.
- » Present a food safety demonstration to elementary students.
- » Create hands-on classroom activities.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Event Manager

Occupational Health and  
Safety Manager

Agriculture Science  
Teacher

SCHOOL-BASED ENTERPRISE

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Volunteer to design a website for a local agriculture group.

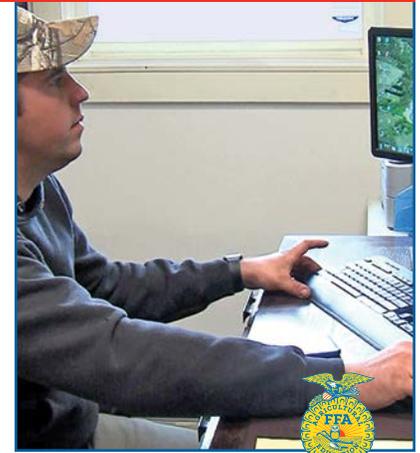


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an agricultural marketing services company.
- » Provide basic internet and email training to producers to increase their level of confidence in using technology.
- » Maintain the chapter webpage.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Graphic Designer

Social Media Strategist

Information Technology  
Web Developer

PLACEMENT/INTERNSHIP

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Create podcasts about agricultural issues.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an intern for the local agriculture department.
- » Create and produce a weekly television or radio show about FFA and agriculture.
- » Interview area agriculture producers about the changes in technology over the past 50 years.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Broadcaster

Agricultural Literacy and  
Advocacy Specialist

Social Media Strategist

EXPLORATORY

## AGRICULTURAL COMMUNICATIONS AND EDUCATION

## Buy and show a calf at fairs.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Manage a livestock show and supplies for your FFA chapter.
- » Staff FFA displays that have farm animals at county and state fairs.
- » Study the effects of genetic selection in groups of animals over time.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Herdsmen

Livestock Buyer

Feedlot Manager



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Grow catfish to sell to local cafés.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise fish for the state fish and game department.
- » Work at a commercial fishing operation where they harvest carp, buffalo, etc. from the area lakes and sell them.
- » Start a fish pond and teach others how to fish.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculturist

Aquaculture Hatchery  
Manager

Fisheries Technician



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Form a cooperative with other students to raise broiler chickens.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct feed trials for growing broiler chickens.
- » Raise and sell farm-fresh eggs.
- » Operate a poultry litter clean-out service.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Poultry Farm Worker

Animal Caretaker/  
Operations Manager

Poultry Hatchery Manager



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Operate a pet-sitting service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

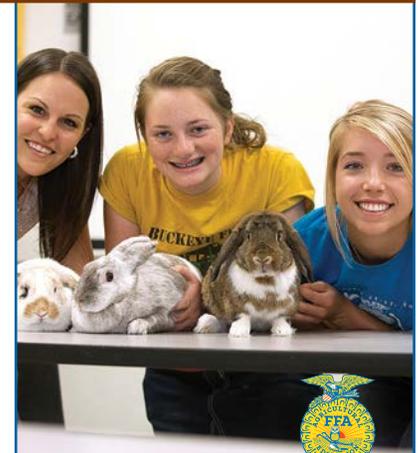
- » Discover the number of pet owners in the community and their priority concerns.
- » Provide a home for homeless pets.
- » Work at a pet shop.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Physical Therapist

Small Animal Veterinarian

Customer Service  
Representative



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Organize and/or run a petting zoo at local fairs or farmers' markets.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Staff FFA displays that have farm animals at county and state fairs.
- » Plan and implement a "hands-on" livestock field trip.
- » Volunteer to assist with a livestock show or county fair.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Event Manager

Agriculture  
Science Teacher

Agricultural Literacy and  
Advocacy Specialist



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Provide equine-training services.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist a horse group that works with students with disabilities.
- » Work at a horse stable.
- » Coordinate and conduct a horse safety camp.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horse Trainer/Instructor

Penrider

Bloodstock Agent



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Provide a kennel-cleaning service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study animal waste legislation at local, state and federal levels.
- » Start a dog-walking business.
- » Assist at a local animal shelter.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Nutrient/Waste  
Management Specialist

Small Animal Veterinarian

Customer Service  
Representative



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Provide fishing and hiking services for area youth groups and elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a fish pond and teach others how to fish.
- » Research your local parks to find out what activities people like and use the most.
- » Assist local city management with summer programs by serving as guides.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Extension Agent

Ecologist

Conservationist



SERVICE-LEARNING

## ANIMAL SYSTEMS

## Raise and sell farm-fresh eggs.



### Is this right for me?

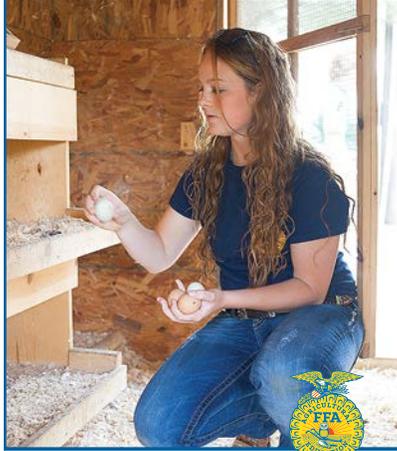
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research cage layers versus floor layers for egg production.
- » Form a cooperative with other students to raise broiler chickens.
- » Create posters that show foods from raw to finished product.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Poultry Hatchery Manager | Poultry Farm Worker | Packaging Engineer



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise and train hunting dogs.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a dog obedience-training service.
- » Raise game birds to sell for the training of bird dogs.
- » Work as a wildlife outfitter or guide.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Breeding/Multiplication Manager | Small Animal Veterinarian | Veterinary Technician



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise and sell purebred dogs.



### Is this right for me?

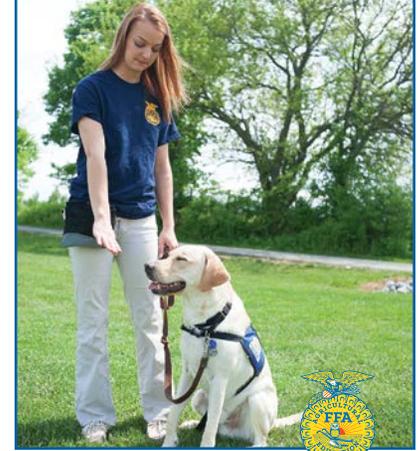
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a dog obedience-training service.
- » Discover the number of pet owners in the community and their priority concerns.
- » Assist at a local animal shelter.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Breeding/Multiplication Manager | Small Animal Veterinarian | Veterinary Technician



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise chinchillas, hamsters or gerbils and sell them on the internet.



### Is this right for me?

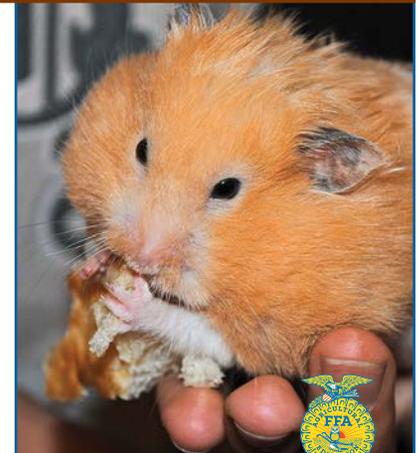
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Discover the number of pet owners in the community and their priority concerns.
- » Work at a university research lab caring for small animals.
- » Volunteer to do website and brochure development for local agricultural businesses.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Breeding/Multiplication Manager | Small Animal Veterinarian | Communications Specialist



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise fish for the state fish and game department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Stock and maintain fish populations in ponds.
- » Start a fish pond and teach others how to fish.
- » Provide fishing and hiking services for area youth groups and elementary students.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculture Hatchery  
Manager

Aquaculturist

Fisheries Technician



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise game fish to sell to stock ponds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for the state fish and game department.
- » Start a fish pond and teach others how to fish.
- » Research best practices for improving fish habitat in local ponds.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculture Hatchery  
Manager

Aquaculturist

Fisheries Technician



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise game birds to sell for the training of bird dogs.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

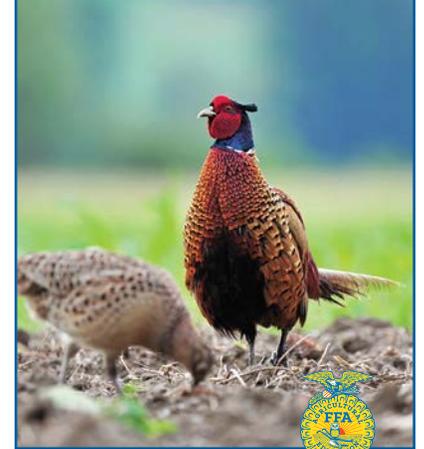
- » Raise wild game fowl for sale to local hunters.
- » Develop hunting ranges; set up indoor/outdoor ranges for bow competitions.
- » Work as a wildlife outfitter or guide.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Poultry Farm Worker

Falconer

Game Warden



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise indigenous snakes and release them into the wild (in an approved area) each summer.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

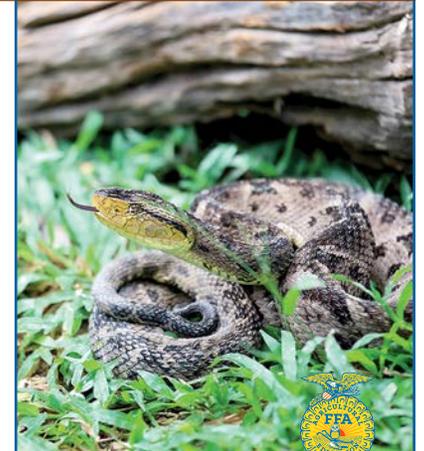
- » Work on an exotic animal farm.
- » Work for a landowner to plant habitat for wild game.
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Restoration Specialist

Zoologist



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise market pigs.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research feed trials testing different swine diets.
- » Test the selection of young pigs based on grade and lean yield at slaughter.
- » Work at a meat production plant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Caretaker/  
Operations Manager

Swine Finishing  
Farm Manager

Swine Nursery  
Farm Worker



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise your own livestock or specialty animals.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at the local livestock auction barn.
- » Study the effects of genetic selection in groups of animals over time.
- » Plan and implement a "hands-on" livestock field trip.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Ranch Manager

Animal Caretaker/  
Operations Manager

Beef Farm Worker



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Raise pheasants or quail to be released into the wild.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

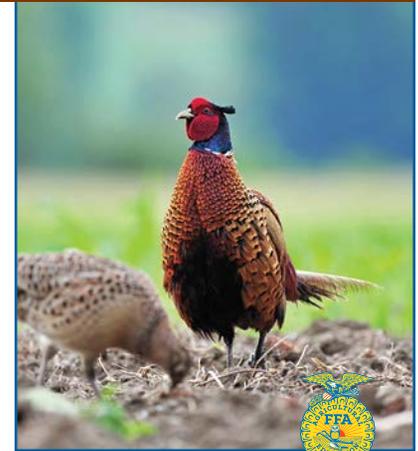
- » Raise game birds to sell for the training of bird dogs.
- » Raise wild game fowl for sale to local hunters.
- » Construct and sell game feeders.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Poultry Hatchery Manager

Conservationist

Falconer



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Run a trapping business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

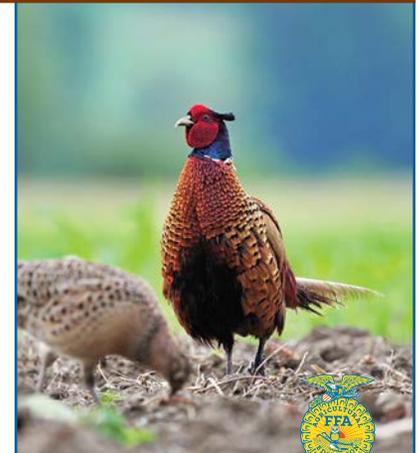
- » Work for the state fish and game department.
- » Research methods of predator control and trapping.
- » Develop marshlands for game.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Evisceration Processor

Game Warden



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Start a dog obedience-training service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a dog-walking business.
- » Take small animals to nursing homes for visits.
- » Operate a pet-sitting service.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Small Animal Veterinarian | Animal Physical Therapist | Customer Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Assist a horse group that works with students with disabilities.



### Is this right for me?

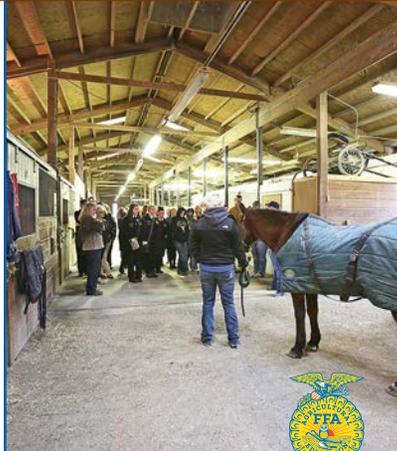
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Coordinate and conduct a horse safety camp.
- » Provide equine-training services.
- » Work at a horse stable.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horse Trainer/Instructor | Penrider | Agriculture Science Teacher



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Start a dog-walking business.



### Is this right for me?

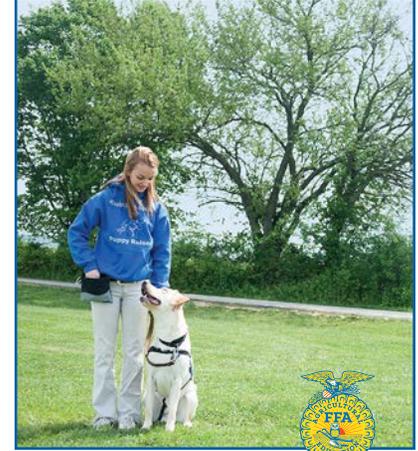
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a dog obedience-training service.
- » Operate a pet-sitting service.
- » Work at a pet shop.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Physical Therapist | Sales Representative: Food, Feed, Seed, Fuel | Small Animal Veterinarian



OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Work at a horse stable.



### Is this right for me?

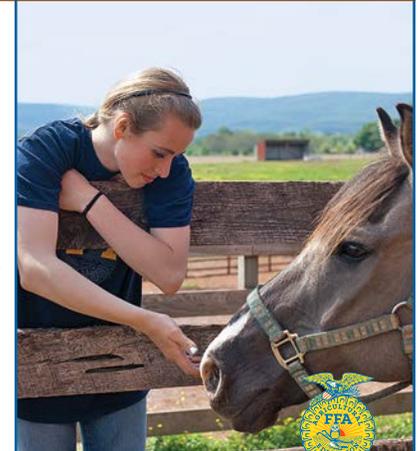
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a veterinary assistant.
- » Coordinate and conduct a horse safety camp.
- » Assist a horse group that works with students with disabilities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bloodstock Agent | Horse Trainer/Instructor | Penrider



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Create a classroom pet adoption program with elementary schools.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Discover the number of pet owners in the community and their priority concerns.
- » Provide a home for homeless pets.
- » Take care of classroom animals.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Small Animal Veterinarian | Veterinary Assistant | Communications Specialist

OWNERSHIP/ENTREPRENEURSHIP

## ANIMAL SYSTEMS

## Manage a small aquatics lab.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a water sample-collecting service.
- » Conduct a local water-quality study.
- » Maintain the school's aquaculture system.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Saltwater Husbandry Technician | Aquaculturist | Laboratory Technician

PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Maintain the school's aquaculture system.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a commercial fishing operation where they harvest carp, buffalo, etc. from the area lakes and sell them.
- » Work at a fishery monitoring water quality.
- » Maintain aquariums for local businesses.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculturist | Saltwater Husbandry Technician | Fisheries Technician

SCHOOL-BASED ENTERPRISE

## ANIMAL SYSTEMS

## Participate in a mentorship program with a taxidermist.

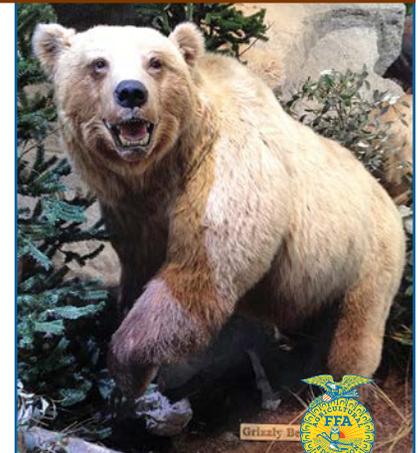


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Run a trapping business.
- » Create activities or laboratories for a natural resources class.
- » Build bat, bird, duck or squirrel houses for use or sale.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Evisceration Processor | Slaughter Processor - Deboning | Game Warden

PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Take care of classroom animals.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a pet-sitting service.
- » Take small animals to nursing homes for visits.
- » Organize and/or run a petting zoo at local fairs or farmers' markets.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Small Animal Veterinarian

Veterinary Assistant



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work as a veterinary assistant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist at a local animal shelter.
- » Volunteer to assist with a livestock show or county fair.
- » Create a 10-minute presentation about careers in agribusiness for other FFA members.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Animal Veterinarian

Small Animal Veterinarian

Veterinary Assistant



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work as a beef feedlot assistant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

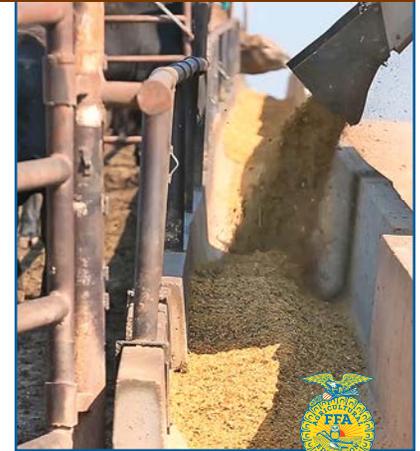
- » Research cost of production in your area compared to other areas of your state/ country.
- » Plan and implement a "hands-on" livestock field trip.
- » Conduct a survey of all livestock operations in your area.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Herd Nutritionist

Feedlot Manager

Beef Farm Worker



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work as a wildlife outfitter or guide.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

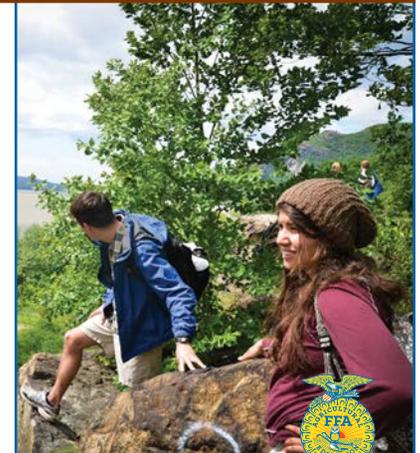
- » Serve as a hunting guide.
- » Plan a wildlife field trip.
- » Assist local city management with summer programs by serving as guides.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Environmental  
Compliance Officer

Game Warden



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work at a university research lab caring for small animals.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Discover the number of pet owners in the community and their priority concerns.
- » Take care of classroom animals.
- » Work as a veterinary assistant.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Small Animal Veterinarian | Laboratory Technician | College Recruiter



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work at a pet shop.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the best diet to help obese pets lose weight.
- » Operate a pet-sitting service.
- » Create a classroom pet adoption program with elementary schools.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Procurement Specialist | Customer Service Representative | Animal Physical Therapist



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work at a livestock farm or a ranch.



### Is this right for me?

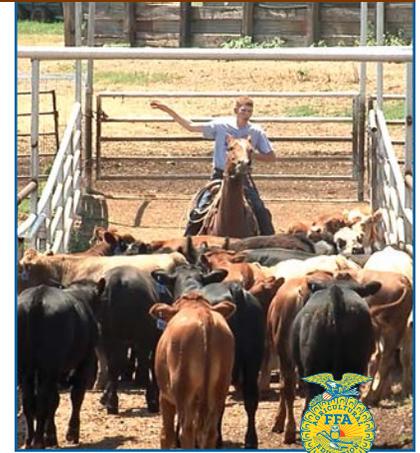
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a survey of all livestock operations in your area.
- » Volunteer to assist with a livestock show or county fair.
- » Plan and implement a "hands-on" livestock field trip.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Ranch Manager | Penrider | Livestock Loader



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work at the local livestock auction barn.



### Is this right for me?

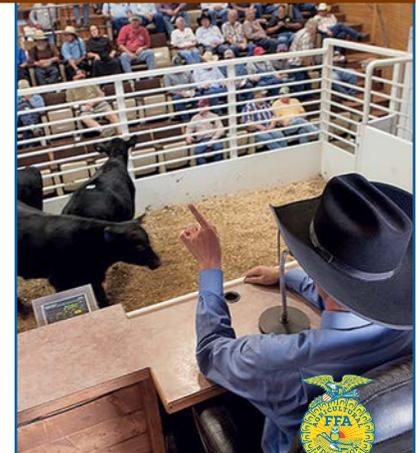
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Staff FFA displays that have farm animals at county and state fairs.
- » Volunteer to assist with a livestock show or county fair.
- » Work for an agriculture auctioneer service.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Livestock Grader | Logistics and Supply Chain Manager | Logistics and Supply Chain Manager



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work for a pet-sitting service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Take care of classroom animals.
- » Research the best diet to help obese pets lose weight.
- » Create a classroom pet adoption program with elementary schools.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Customer Service Representative | Animal Physical Therapist | Small Animal Veterinarian



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work for a rodeo company caring for animals and assisting with rodeos.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Manage a livestock show and supplies for your FFA chapter.
- » Coordinate and conduct a horse safety camp.
- » Work as a veterinary assistant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Ranch Manager | Herdsmen | Event Manager



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work for a predator control service.



### Is this right for me?

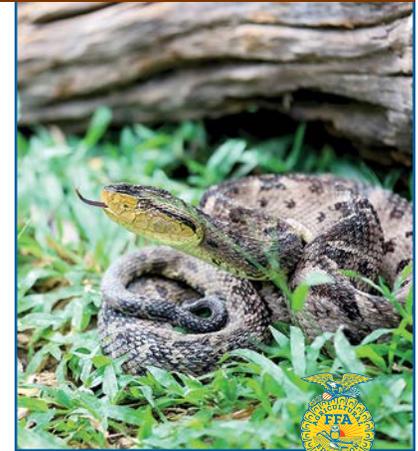
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research methods of predator control and trapping.
- » Run a trapping business.
- » Conduct surveys of wildlife populations.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Compliance Officer | Restoration Specialist | Game Warden



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work for the state fish and game department.



### Is this right for me?

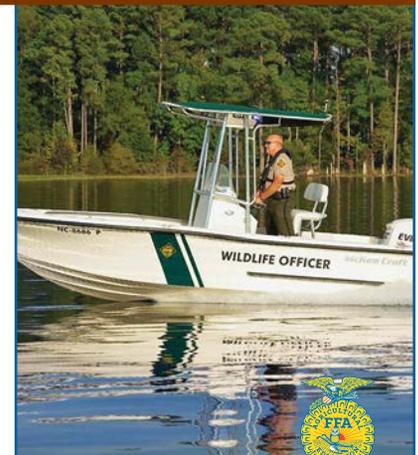
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Shadow officials at a government natural resources agency.
- » Research the effectiveness of habitat restoration projects in your community.
- » Raise indigenous snakes and release them into the wild (in an approved area) each summer.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer | Game Warden | Environmental Compliance Officer



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work in a grocery store's meats department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.
- » Shadow a USDA meat inspector.
- » Work at a meat production plant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Safety/Quality Assurance Manager

Packaging Engineer

Slaughter Processor - Trimming/Cutter



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work on an exotic animal farm.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

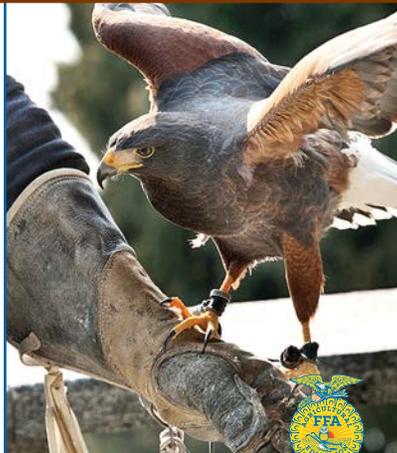
- » Assist at a local animal shelter.
- » Work as a veterinary assistant.
- » Raise indigenous snakes and release them into the wild (in an approved area) each summer.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Zoologist

Falconer

Procurement Specialist



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Work on a dairy farm or a heifer-raising farm.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

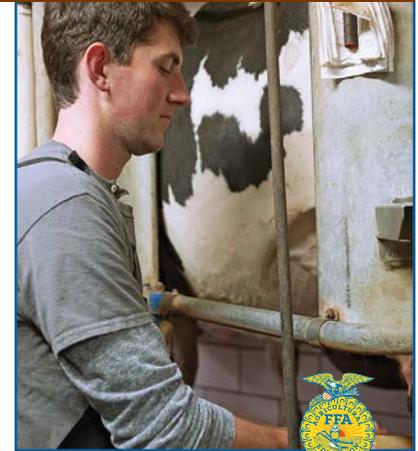
- » Research the effectiveness of various estrus synchronization hormones.
- » Study the effects of genetic selection in groups of animals over time.
- » Operate a custom heifer-raising service.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Herdsmen

Breeding/Multiplication Manager

Dairy Farm Worker



PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Conduct feed trials for growing broiler chickens.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

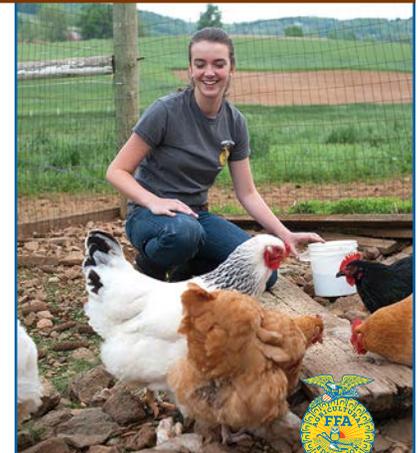
- » Form a cooperative with other students to raise broiler chickens.
- » Raise pheasants or quail to be released into the wild.
- » Raise and sell farm-fresh eggs.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Research Station Manager

Poultry Farm Worker

Feed Mill Manager



RESEARCH

## ANIMAL SYSTEMS

## Research cage layers versus floor layers for egg production.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Form a cooperative with other students to raise broiler chickens.
- » Operate a poultry litter clean-out service.
- » Raise and sell farm-fresh eggs.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Poultry Hatchery Manager | Poultry Farm Worker | Research Station Manager

RESEARCH

## ANIMAL SYSTEMS

## Research feed trials testing different swine diets.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise market pigs.
- » Operate a custom hog-raising business.
- » Research the effects of livestock feed on waste issues.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Herd Nutritionist | Swine Finishing Farm Manager | Reproductive or Nutritional Specialist

RESEARCH

## ANIMAL SYSTEMS

## Research the effectiveness of various estrus synchronization hormones.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a veterinary assistant.
- » Study the effects of genetic selection in groups of animals over time.
- » Work on a dairy farm or heifer-raising farm.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Reproductive or Nutritional Specialist | Breeding/Multiplication Manager | Embryologist

RESEARCH

## ANIMAL SYSTEMS

## Research methods of predator control and trapping.

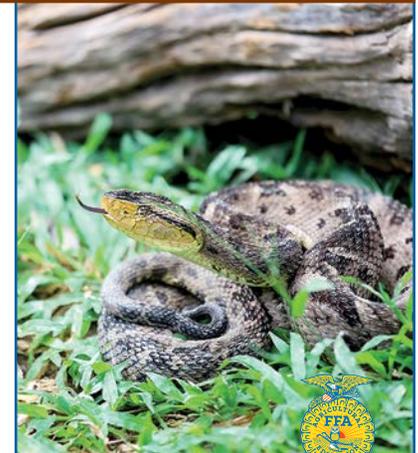


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a predator control service.
- » Work for the fish and game department.
- » Conduct surveys of wildlife populations.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Bioinformatics Scientist | Environmental Compliance Officer | Game Warden

RESEARCH

## ANIMAL SYSTEMS

## Discover the number of pet owners in the community and their priority concerns.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a pet-sitting service.
- » Research the best diet to help obese pets lose weight.
- » Take small animals to nursing homes for visits.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Purchasing Analyst

Customer Service Representative

Research Associate

RESEARCH

## ANIMAL SYSTEMS

## Study the effects of genetic selection in groups of animals over time.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a livestock farm or a ranch.
- » Research the effectiveness of various estrus synchronization hormones.
- » Operate a custom heifer-raising service.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Animal Geneticist

Breeding/Multiplication Manager

Reproductive or Nutritional Specialist

RESEARCH

## ANIMAL SYSTEMS

## Research the best diet to help obese pets lose weight.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Discover the number of pet owners in the community and their priority concerns.
- » Take care of classroom animals.
- » Work at a university research lab caring for small animals.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Ruminant Nutritionist

Reproductive or Nutritional Specialist

Veterinary Pathologist

RESEARCH

## ANIMAL SYSTEMS

## Test the selection of young pigs based on grade and lean yield at slaughter.

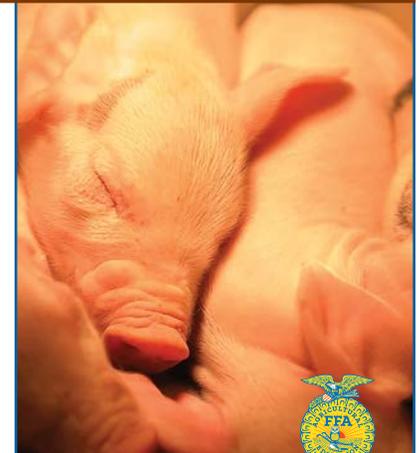


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research feed trials testing different swine diets.
- » Operate a custom hog-raising business.
- » Raise market pigs.



### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Livestock Grader

Swine Nursery Farm Worker

Reproductive or Nutritional Specialist

RESEARCH

## ANIMAL SYSTEMS

## Assist at a local animal shelter.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Discover the number of pet owners in the community and their priority concerns.
- » Create a classroom pet adoption program with elementary schools.
- » Take small animals to nursing homes for visits.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Veterinary Assistant | Administrative Assistant | Animal Physical Therapist

EXPLORATORY

## ANIMAL SYSTEMS

## Conduct surveys of wildlife populations.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Organize and participate in a wildlife field day.
- » Habitat construction—make brush piles, plant a wildlife habitat, etc.
- » Research methods of predator control and trapping.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden | Zoologist | Bioinformatics Scientist

RESEARCH

## ANIMAL SYSTEMS

## Conduct a survey of all livestock operations in your area.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a livestock farm or a ranch.
- » Plan and implement a “hands-on” livestock field trip.
- » Work as an intern for the local agriculture department.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Process/Continuous Improvement Manager | Ranch Manager | Agricultural Lobbyist

RESEARCH

## ANIMAL SYSTEMS

## Coordinate and conduct a horse safety camp.

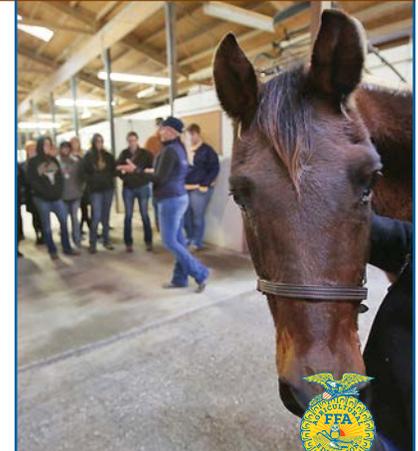


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist a horse group that works with students with disabilities.
- » Work at a horse stable.
- » Volunteer to assist with a livestock show or county fair.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horse Trainer/Instructor | Event Manager | Occupational Health and Safety Manager

SERVICE-LEARNING

## ANIMAL SYSTEMS

## Maintain aquariums for local businesses.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Maintain the school's aquaculture system.
- » Work at a fishery monitoring water quality.
- » Take part in a mentorship program with the local soil and water conservation district.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculturist

Saltwater Husbandry  
Technician

Fisheries Technician



EXPLORATORY

## ANIMAL SYSTEMS

## Provide a home for homeless pets.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a classroom pet adoption program with elementary schools.
- » Discover the number of pet owners in the community and their priority concerns.
- » Operate a pet-sitting service.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Physical Therapist

Small Animal Veterinarian

Veterinary Assistant



EXPLORATORY

## ANIMAL SYSTEMS

## Manage a livestock show and supplies for your FFA chapter.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

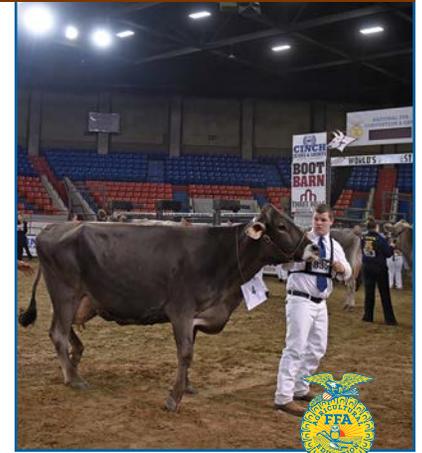
- » Volunteer to assist with a livestock show or county fair.
- » Work at the local livestock auction barn.
- » Staff FFA displays that have farm animals at county and state fairs.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Livestock Loader

Ranch Manager



SCHOOL-BASED ENTERPRISE

## ANIMAL SYSTEMS

## Take small animals to nursing homes for visits.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a pet shop.
- » Assist at local animal shelter.
- » Operate a pet-sitting service.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Physical Therapist

Human Resources  
Manager

Public Relations Manager



EXPLORATORY

## ANIMAL SYSTEMS

## Volunteer to assist with a livestock show or county fair.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Manage a livestock show and supplies for your FFA chapter.
- » Buy and show a calf at fairs.
- » Staff FFA displays that have farm animals at county and state fairs.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Livestock Loader

Livestock Auctioneer

SCHOOL-BASED ENTERPRISE

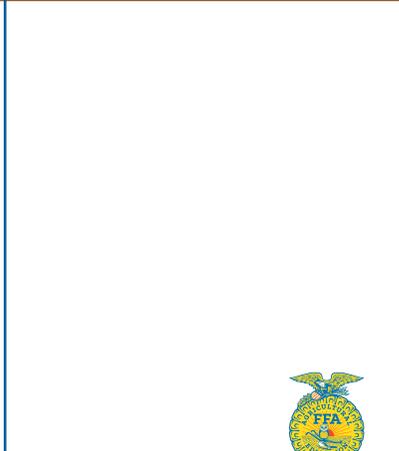
## ANIMAL SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

PLACEMENT/INTERNSHIP

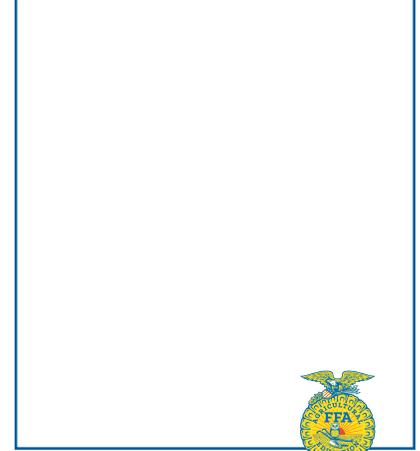
## ANIMAL SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

OWNERSHIP/ENTREPRENEURSHIP

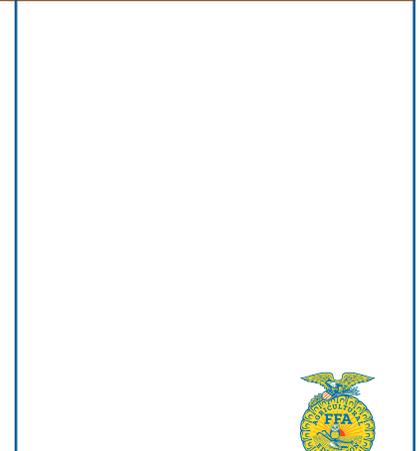
## ANIMAL SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

PLACEMENT/INTERNSHIP

## ANIMAL SYSTEMS

## Investigate the relationship between past, current and emerging applications of biotechnology in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Analyze the relationship and implications of bioethics, laws and public perceptions on applications of biotechnology in agriculture.
- » Research the biggest challenges producers face when adopting new technology.
- » Research the adoption of technology by agriculture producers in your area.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biological Technician | Plant Biologist | Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Analyze the impact major regulatory issues have on public acceptance of biotechnology in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an intern for the local agriculture department.
- » Create podcasts about agricultural issues.
- » Evaluate the scope and implications of regulatory agencies on applications of biotechnology in agriculture and the protection of public interests.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Advisor: Government/ Stakeholder Relations | Agricultural Lobbyist | Regulatory Scientist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Evaluate the scope and implications of regulatory agencies on biotechnology applications in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design a study to examine public perceptions of scientifically based arguments regarding biotechnology in agriculture.
- » Analyze the impact major regulatory issues have on public acceptance of biotechnology in agriculture.
- » Work as an intern for the local agriculture department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Advisor: Government/ Stakeholder Relations | Regulatory Scientist | Biological Technician



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Research factors and data regulatory agencies use to evaluate the risks new biotechnology applications pose.



### Is this right for me?

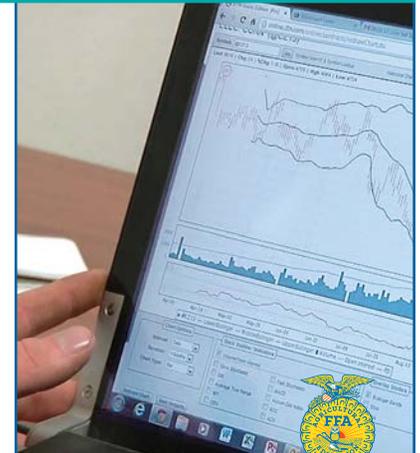
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Evaluate the scope and implications of regulatory agencies on applications of biotechnology in agriculture and the protection of public interests.
- » Work as an intern for the local agriculture department.
- » Work for the natural resources and conservation district.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Reproductive and Nutritional Specialist | Plant Biologist | Regulatory Scientist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Analyze the implications of bioethics, laws and public perceptions on biotechnology applications in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an intern for the local agriculture department.
- » Design a study to examine public perceptions of scientifically based arguments regarding biotechnology in agriculture.
- » Research the biggest challenges producers face when adopting new technology.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Advisor: Government/ Stakeholder Relations | Agricultural Lobbyist | Agricultural Legal Assistant



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Perform ongoing maintenance of laboratory equipment according to standard operating procedures.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Perform sterilization techniques for equipment in a laboratory using standard operating procedures.
- » Operate advanced laboratory equipment and measurement devices.
- » Create hands-on classroom curriculum activities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biostatistician | Laboratory Technician | Agriculture Science Teacher



PLACEMENT/INTERNSHIP

## BIOTECHNOLOGY SYSTEMS

## Design a study to examine public perceptions of scientific arguments regarding biotechnology in agriculture.



### Is this right for me?

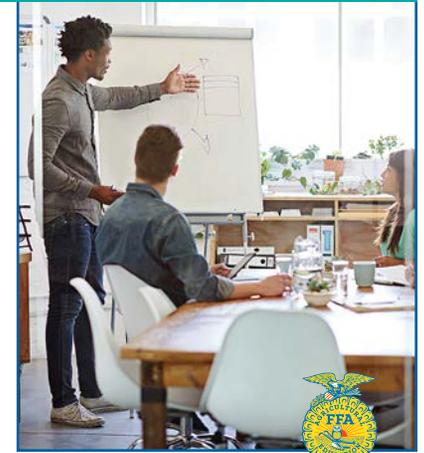
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Evaluate the scope and implications of regulatory agencies on applications of biotechnology in agriculture and the protection of public interests.
- » Produce a weekly column about agricultural issues for a newspaper.
- » Interview a naturalist.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Literacy and Advocacy Specialist | Bioinformatics Scientist | Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Operate advanced laboratory equipment and measurement devices.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Perform ongoing maintenance of laboratory equipment according to standard operating procedures.
- » Work for a local university in the area of robotics in agriculture.
- » Work for a testing laboratory.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biostatistician | Laboratory Technician | Game Warden



PLACEMENT/INTERNSHIP

## BIOTECHNOLOGY SYSTEMS

## Perform sterilization techniques for equipment in a laboratory using standard operating procedures.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Perform ongoing maintenance of laboratory equipment according to standard operating procedures.
- » Implement standard operating procedures for the safe handling and/or disposal of biological and chemical materials in a laboratory.
- » Work for a testing laboratory.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biostatistician

Laboratory Technician

Biosecurity Monitor



PLACEMENT/INTERNSHIP

## BIOTECHNOLOGY SYSTEMS

## Examine and perform scientific procedures using microbes, DNA, RNA and proteins in a laboratory.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Transform plant or animal cells by performing a cellular transformation.
- » Evaluate factors that influence gene expression.
- » Create hands-on classroom curriculum activities.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist

Laboratory Technician

Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Implement standard operating procedures for safe handling of biological and chemical materials in a lab.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

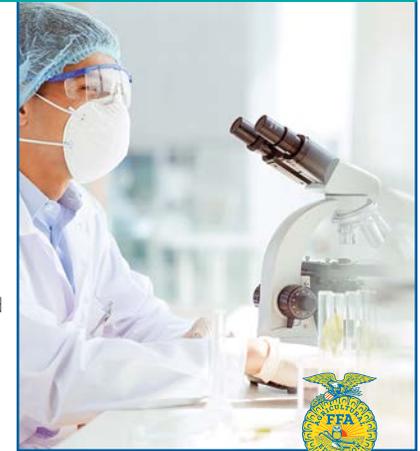
- » Perform sterilization techniques for equipment in a laboratory using standard operating procedures.
- » Work on plumbing waste systems and air and water systems in agricultural settings.
- » Start a service to collect used pesticide containers.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biostatistician

Laboratory Technician

Biosecurity Monitor



PLACEMENT/INTERNSHIP

## BIOTECHNOLOGY SYSTEMS

## Evaluate factors that influence gene expression.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Examine and perform scientific procedures using microbes, DNA, RNA and proteins in a laboratory.
- » Conduct studies to track the movement of transgenes in the environment.
- » Design and conduct experiments to evaluate an existing transgenic eukaryote.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist

Molecular Biologist

Plant Geneticist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Evaluate the biochemical properties of proteins to explain their function and predict potential uses.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Examine and perform scientific procedures using microbes, DNA, RNA and proteins in a laboratory.
- » Evaluate factors that influence gene expression.
- » Perform ongoing maintenance of laboratory equipment according to standard operating procedures.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Molecular Biologist | Analytical Chemist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Design and conduct experiments to evaluate an existing transgenic eukaryote.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Use antibodies to detect and quantify antigens by conducting an Enzyme-Linked Immunosorbent Assay (ELISA).
- » Perform sterilization techniques for equipment in a laboratory using standard operating procedures.
- » Plan plant-related activities and laboratories for your class.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Plant Geneticist | Laboratory Technician



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Use antibodies to detect and quantify antigens by conducting an Enzyme-Linked Immunosorbent Assay (ELISA).



### Is this right for me?

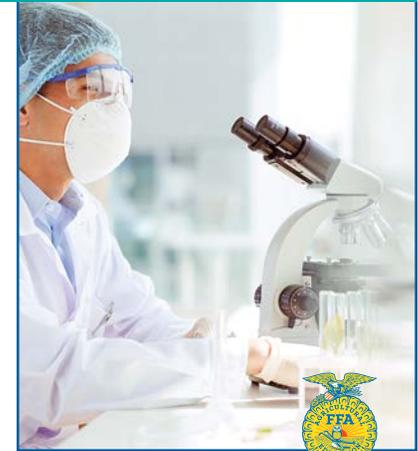
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design and conduct experiments to evaluate an existing transgenic eukaryote.
- » Transform plant or animal cells by performing a cellular transformation.
- » Perform sterilization techniques for equipment in a laboratory using standard operating procedures.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Laboratory Technician | Plant Geneticist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Transform plant or animal cells by performing a cellular transformation.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct studies to track the movement of transgenes in the environment.
- » Examine and perform scientific procedures using microbes, DNA, RNA and proteins in a laboratory.
- » Apply biotechnology principles, techniques and processes to enhance the production of food through the use of microorganisms and enzymes.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Plant Geneticist | Laboratory Technician



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Conduct studies to track the movement of transgenes in the environment.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Apply biotechnology principles, techniques, and processes to enhance plant and animal care and production.
- » Evaluate factors that influence gene expression.
- » Design and conduct experiments to evaluate an existing transgenic eukaryote.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Biostatistician | Laboratory Technician



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Evaluate the impact of modified organisms on the natural environment.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Investigate the relationship between past, current and emerging applications of biotechnology in agriculture.
- » Create podcasts about agricultural issues.
- » Interview a naturalist.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Biologist | Agronomist | Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Apply biotechnology techniques to enhance the production of food by using microorganisms and enzymes.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Perform sterilization techniques for equipment in a laboratory using standard operating procedures.
- » Research why new food fails to sell.
- » Develop a plan to manage school food waste.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Biostatistician | Food Technologist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Monitor and evaluate processes used in the synthesis of a molecule.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Perform ongoing maintenance of laboratory equipment according to standard operating procedures.
- » Conduct studies to track the movement of transgenes in the environment.
- » Apply biotechnology principles, techniques, and processes to enhance plant and animal care and production.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Molecular Biologist | Laboratory Technician



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Apply biotechnology principles, techniques, and processes to enhance plant and animal care and production.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design animal-care protocols to ethically monitor and promote animal systems associated with biotechnology.
- » Perform plant-breeding techniques (e.g., plant tissue culture, etc.).
- » Analyze the impact major regulatory issues have on public acceptance of biotechnology in agriculture.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Bioinformatics Scientist | Plant Biologist | Animal Biotechnologist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Design animal-care protocols to ethically monitor and promote animal systems associated with biotechnology.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research and categorize the types of pharmaceuticals developed for animals and humans through biotechnology.
- » Work as a veterinary assistant.
- » Work on a dairy farm or heifer-raising farm.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Geneticist | Reproductive and Nutritional Specialist | Animal Caretaker/ Operations Manager



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Perform plant-breeding techniques (e.g., plant tissue culture, etc.).



### Is this right for me?

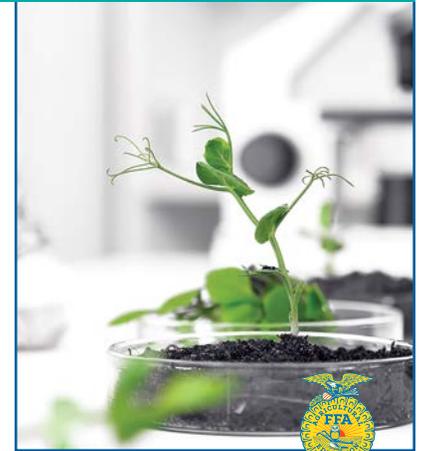
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Examine and perform scientific procedures using microbes, DNA, RNA and proteins in a laboratory.
- » Research plant propagation techniques.
- » Plan plant-related activities and laboratories for your class.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Breeder | Agronomist | Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Research and categorize the types of pharmaceuticals developed for animals and humans through biotechnology.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design animal-care protocols to ethically monitor and promote animal systems associated with biotechnology.
- » Work as a veterinary assistant.
- » Research the biggest challenges producers face when adopting new technology.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Animal Geneticist | Reproductive and Nutritional Specialist | Analytical Chemist



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Examine and synthesize the need for biofuels (e.g., cellulosic bioenergy, etc.).



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Produce alcohol/biodiesel/methane and co-products from biomass.
- » Conduct a review of the technologies used to create biofuels from biomass and weigh the pros and cons of each method.
- » Work as a diesel mechanic assistant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biorefining Manager | Ethanol Engineer | Agriculture Science Teacher



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Produce alcohol/biodiesel/methane and co-products from biomass.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Examine and synthesize the need for biofuels (e.g., cellulosic bioenergy, etc.).
- » Research the biggest challenges producers face when adopting new technology.
- » Conduct a review of the technologies used to create biofuels from biomass and weigh the pros and cons of each method.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biorefining Manager | Environmental Engineer | Ethanol Engineer



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Study the technologies used to create biofuels from biomass and weigh the pros and cons of each method.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Examine and synthesize the need for biofuels (e.g., cellulosic bioenergy, etc.).
- » Research the biggest challenges producers face when adopting new technology.
- » Produce alcohol/biodiesel/methane and co-products from biomass.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biorefining Manager | Ethanol Engineer | Environmental Engineer



RESEARCH

## BIOTECHNOLOGY SYSTEMS

## Conduct studies to evaluate the treatment of a waste product using a genetically engineered organism.



### Is this right for me?

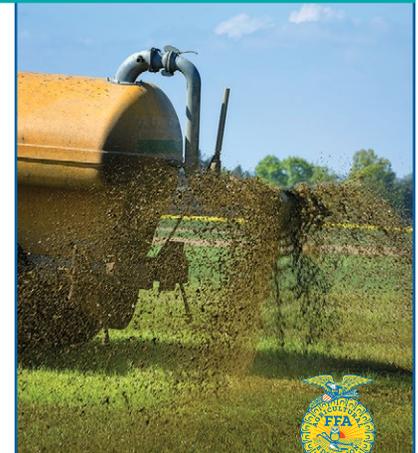
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design a bioremediation project including plans to evaluate the effectiveness of the effort.
- » Work on plumbing waste systems and air and water systems in agricultural settings.
- » Research area pollution concerns.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biorefining Manager | Biosecurity Monitor | Environmental Compliance Officer



RESEARCH

## BIOTECHNOLOGY SYSTEMS

Design a bioremediation project including plans to evaluate the effectiveness of the effort.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Conduct studies to evaluate the treatment of a waste product using a genetically engineered organism.
- » Research the effectiveness of habitat restoration projects in your community.
- » Research area pollution concerns.



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Biorefining Manager | Biosecurity Monitor | Environmental Engineer

RESEARCH

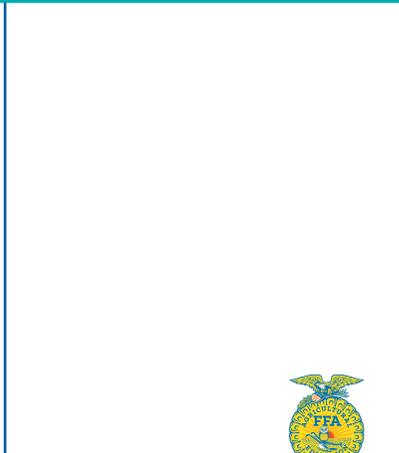
**BIOTECHNOLOGY SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

RESEARCH

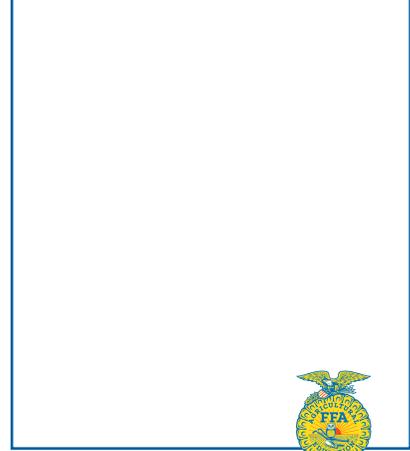
**BIOTECHNOLOGY SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

PLACEMENT/INTERNSHIP

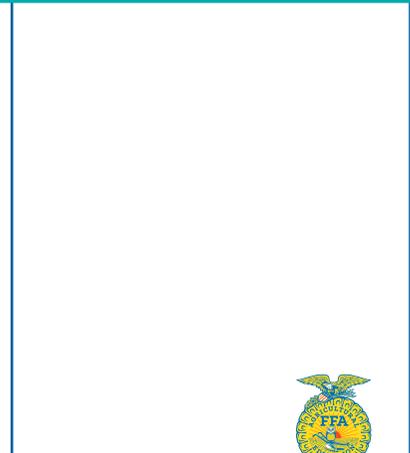
**BIOTECHNOLOGY SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

RESEARCH

**BIOTECHNOLOGY SYSTEMS**

## Start a leaf collection service in the fall and sell mulch in the spring.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawn maintenance/mowing service.
- » Start a service that cleans leaves from gutters.
- » Conduct composting workshops for homeowners.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Landscape Designer

Environmental Science and  
Protection Technician

OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Start a service to collect used pesticide containers.

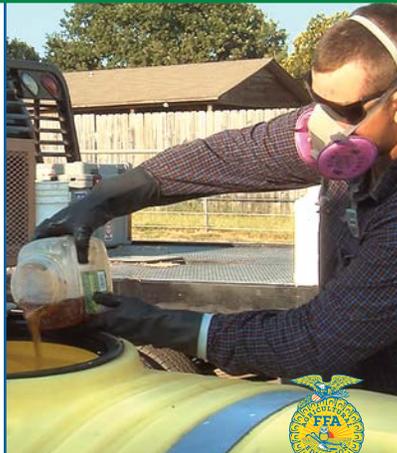


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a custom spraying service.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Take pictures and make a CD for plant or insect identification.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Scientist  
and Specialist

Conservationist

Pressure Washer Operator

OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Own and operate a water system farm drainage (tilling) company.

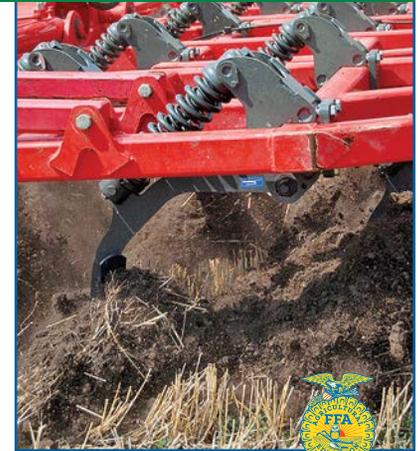


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work with county soil and water engineers; assist in measuring and engineer design.
- » Work for an irrigation service company.
- » Research the water savings accomplished by new irrigation technologies.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Water Treatment  
Technician

Irrigation Specialist

Hydrologist

OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Sell shop safety equipment door-to-door.

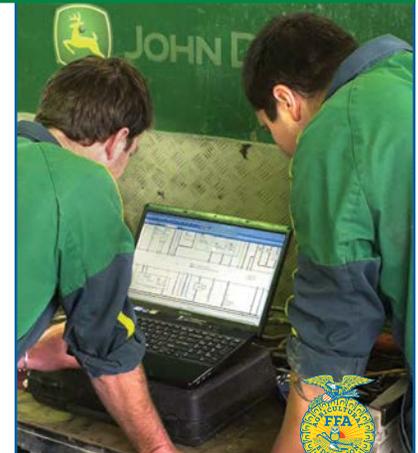


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Lead a farm safety program for elementary students.
- » Be a sales associate at a garden or farm supply store.
- » Research methods for preventing common accidents in an agriculture department laboratory.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sales Trainer

Occupational Health and  
Safety Manager

Warehouse/Facility  
Manager

OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Create a service to remove algae from area lakes and fishing ponds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Maintain the school's aquaculture system.
- » Research best practices for improving fish habitats in local ponds.
- » Work at a fishery monitoring water quality.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Restoration Specialist

Hydrologist

Aquaculturist



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Sell radon detectors and collect radon samples.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Put together a town safety package; mark all signs, fire hydrants and water drains.
- » Lead a farm safety program for elementary students.
- » Be a sales associate at a garden or farm supply store.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Sales Trainer

Occupational Health and Safety Manager

Human Resources Manager



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Run a soil-testing service for town gardens or farm fields; take samples, send them in and deliver results.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work with a county soil scientist to map soils.
- » Create posters on soil conservation practices for homeowners.
- » Study soil profiles from multiple locations in your community and develop a soil map.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Soil Scientist

Environmental Scientist and Specialist

Agronomist



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Start a water sample-collecting service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

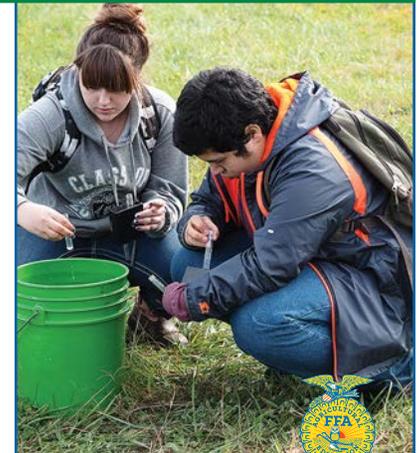
- » Conduct a local water-quality study.
- » Take part in a mentorship program with the local soil and water conservation district.
- » Work as a water-quality lab assistant.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Hydrologist

Water Treatment Technician

Environmental Science and Protection Technician



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Start a manure-removal business for acreage owners.



### Is this right for me?

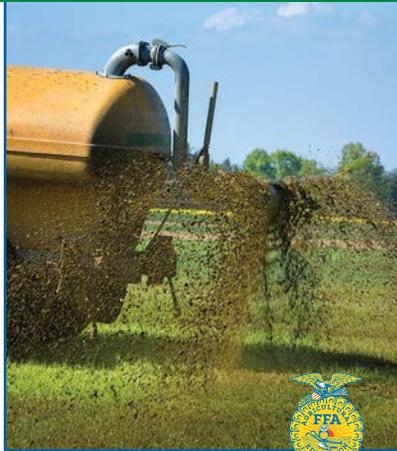
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study animal waste legislation at the local, state and federal levels.
- » Operate a poultry litter clean-out service.
- » Research the effects of livestock feed on waste issues.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Nutrient/Waste Management Specialist | Pressure Washer Operator | Environmental Engineer



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Assist local agencies with data collection for watersheds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist community watershed action groups.
- » Work as a water-quality lab assistant.
- » Research the benefits of the Conservation Resource Program (CRP).

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydrologist | Environmental Science and Protection Technician | Irrigation Specialist



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Provide a wood-chipping service and sell the chips as mulch.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a sawmill.
- » Cut firewood and sell at local stores.
- » Build and maintain the compost units at the school.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Forester | Conservationist | Carpenter/Laborer



OWNERSHIP/ENTREPRENEURSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Work for a company that installs plastic drainage tile for farm fields.



### Is this right for me?

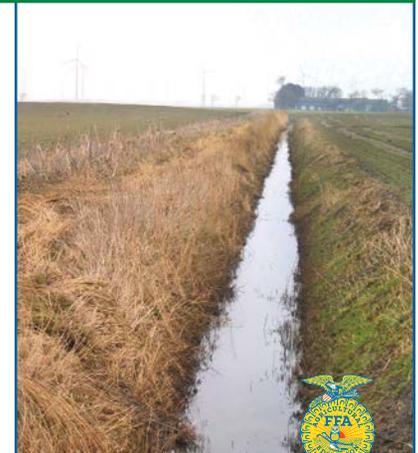
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an irrigation service provider.
- » Research the water savings accomplished by new irrigation technologies.
- » Research the effects of erosion on various cover crops.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist | Agronomist | Hydrologist



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Work for a testing laboratory.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a water-quality lab assistant.
- » Create a 10-minute presentation about careers in agribusiness for other FFA members.
- » Produce a weekly column about agricultural issues for a newspaper.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Laboratory Technician | Research Technician | Research and Development Technician



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Work as a trencher for waste-water lagoons.



### Is this right for me?

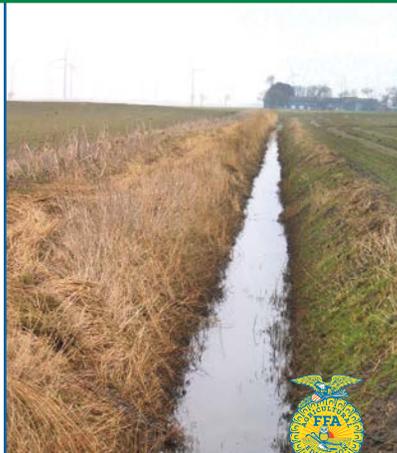
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the effects of livestock feed on waste issues.
- » Conduct composting workshops for homeowners.
- » Work as a water-quality lab assistant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Water Treatment Technician | Nutrient/Waste Management Specialist | Environmental Engineer



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Develop marshlands for game.



### Is this right for me?

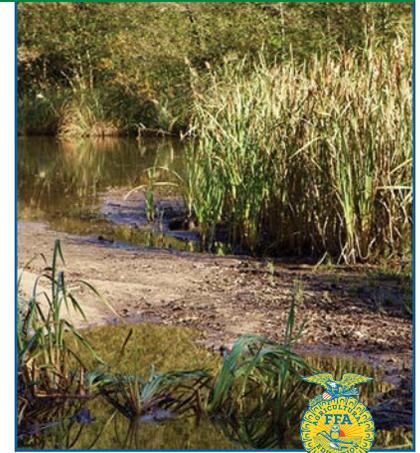
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a brochure on creating wildlife habitats in backyards to share with the community.
- » Conduct surveys of wildlife populations.
- » Develop a forest/wildlife management plan for a local landowner.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Science and Protection Technician | Conservationist | Restoration Specialist



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Work at a fishery monitoring water quality.



### Is this right for me?

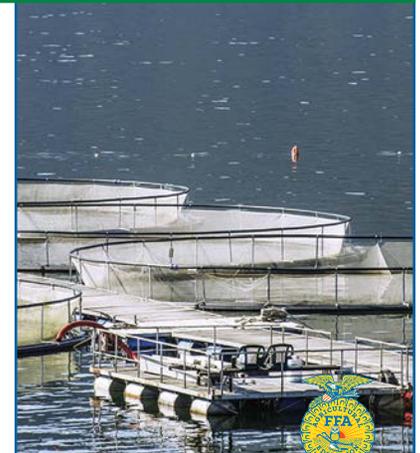
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for the fish and game department.
- » Raise fish for the state fish and game department.
- » Maintain the school's aquaculture system.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fisheries Technician | Aquaculturist | Aquaculture Hatchery Manager



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Work for the natural resources and conservation district.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

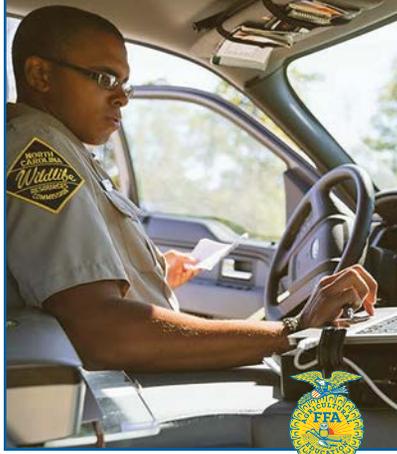
- » Conduct a tour of area farms and ranches that practice effective pollution control.
- » Create activities or laboratories for a natural resources class.
- » Take part in a mentorship program with the local soil and water conservation district.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Environmental Compliance Officer

Conservationist



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Conduct a local water-quality study.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

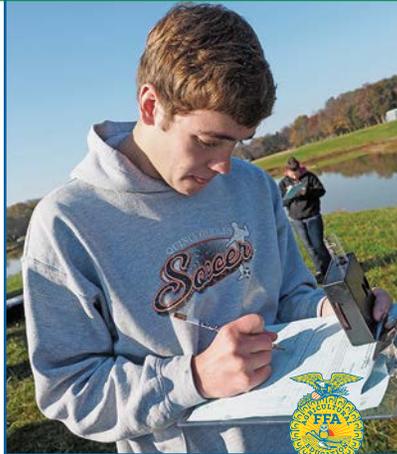
- » Start a water sample-collecting service.
- » Collect water samples for local or state agencies.
- » Test the drought tolerance of different types of fruits and/or vegetables.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydrologist

Biosecurity Monitor

Nematologist



RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Assist landowners with installation of soil conservation practices.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Run a soil-testing service for town gardens or farm fields; take samples, send them in and deliver results.
- » Compare and contrast the different styles of tillage equipment.
- » Create posters on soil conservation practices for homeowners.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist

Conservationist

Environmental Science and Protection Technician



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Research area pollution concerns.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

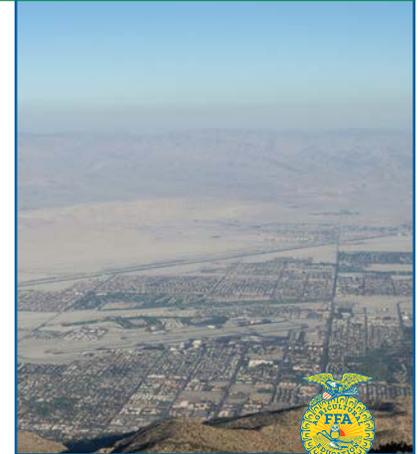
- » Conduct a tour of area farms and ranches that practice effective pollution control.
- » Study pollution-control practices.
- » Work on plumbing waste systems and air and water systems in agricultural settings.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biosecurity Monitor

Biological Technician

Environmental Science and Protection Technician



RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Study pollution-control practices.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a tour of area farms and ranches that practice effective pollution control.
- » Research area pollution concerns.
- » Work on plumbing waste systems and air and water systems in agricultural settings.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biosecurity Monitor | Biological Technician | Environmental Science and Protection Technician

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Study animal waste legislation at local, state and federal levels.

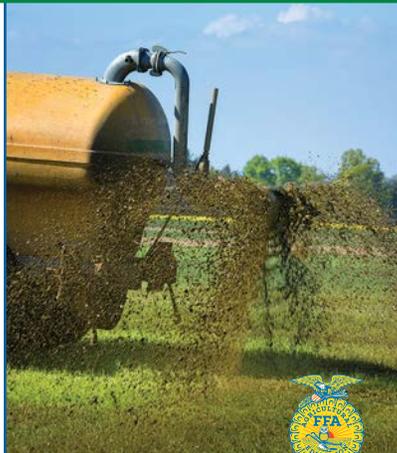


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a manure-removal business for acreage owners.
- » Operate a poultry litter clean-out service.
- » Work as a trencher for waste-water lagoons.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biosecurity Monitor | Nutrient/Waste Management Specialist | Agricultural Lawyer

EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Research the rate of accidents on area farms and compare to national averages.

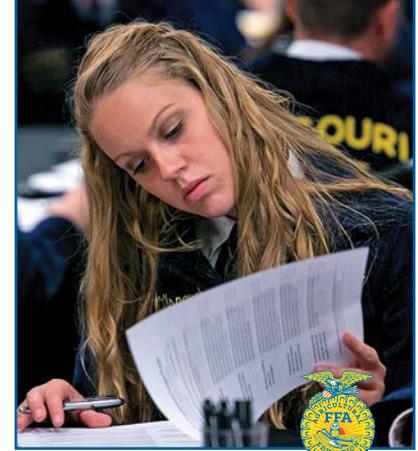


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Lead a farm safety program for elementary students.
- » Research methods for preventing common accidents in an agriculture department laboratory.
- » Develop and implement a farm safety class for elementary students.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fleet Manager | Human Resources Manager | Occupational Health and Safety Manager

EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Research methods for preventing common accidents in an agriculture department laboratory.

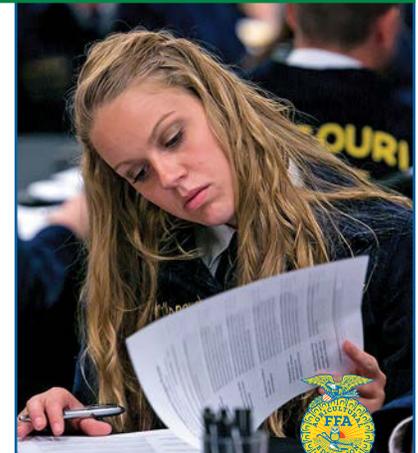


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Lead a farm safety program for elementary students.
- » Research the rate of accidents on area farms and compare to national averages.
- » Develop and implement a farm safety class for elementary students.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fleet Manager | Human Resources Manager | Occupational Health and Safety Manager

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Monitor dust levels in the air at various sites and times throughout the year.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study pollution-control practices.
- » Monitor pollen counts in an area by working with labs and weather stations.
- » Work on plumbing waste systems and air and water systems in agricultural settings.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Storage and Hygiene Coordinator | Environmental Scientist and Specialist | Environmental Engineer

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Monitor pollen counts in an area by working with labs and weather stations.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Monitor dust levels in the air at various sites and times throughout the year.
- » Work on plumbing waste systems and air and water systems in agricultural settings.
- » Study pollution-control practices.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Science and Protection Technician | Apiary/Beekeeper | Environmental Engineer

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Research the effects of livestock feed on waste issues.

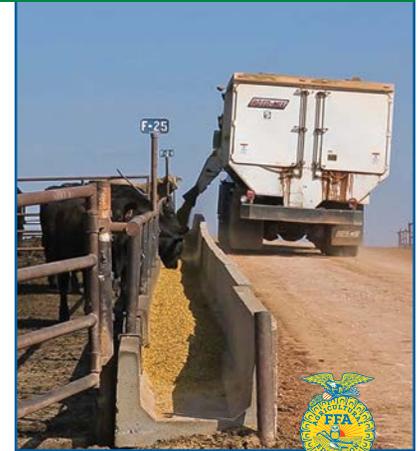


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study animal waste legislation at local, state and federal levels.
- » Start a manure-removal business for acreage owners.
- » Research feed trials testing different swine diets.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Nutrient/Waste Management Specialist | Feed Mill Manager | Ruminant Nutritionist

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Research the effects of erosion on various cover crops.

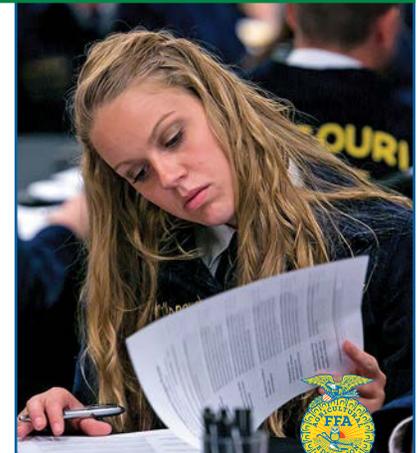


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Compare and contrast the different styles of tillage equipment.
- » Assist landowners with the installation of soil conservation practices.
- » Create posters on soil conservation practices for homeowners.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist | Conservation Officer | Soil Scientist

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Work as a water-quality lab assistant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a water sample-collecting service.
- » Conduct a local water-quality study.
- » Collect water samples for local or state agencies.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydrologist

Laboratory Technician

Water Treatment Technician

PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Develop a plan to manage school food waste.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct composting workshops for homeowners.
- » Ask farmers for permission to glean fields for food to give to homeless shelters.
- » Use unsellable zucchini in baked goods as a side to vegetable production.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Extension Agent

Food Production Supervisor

SCHOOL-BASED ENTERPRISE

## ENVIRONMENTAL SERVICE SYSTEMS

## Conduct a tour of area farms and ranches that practice effective pollution control.

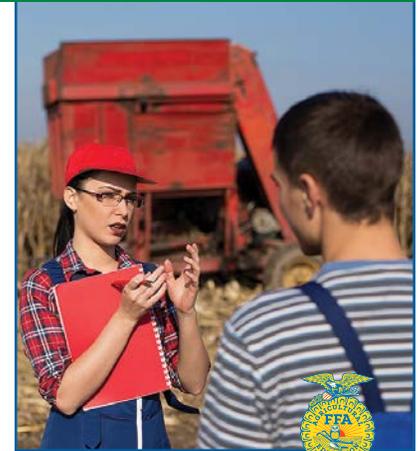


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study pollution-control practices.
- » Work for the natural resources and conservation district.
- » Research area pollution concerns.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Biological Technician

Environmental Science and Protection Technician

Environmental Engineer

EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Volunteer to monitor water quality for a community pond.

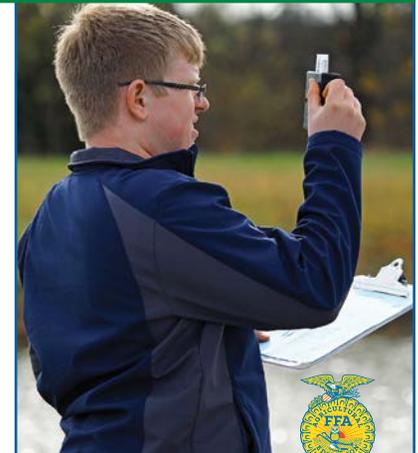


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a local water-quality study.
- » Work at a fishery monitoring water quality.
- » Raise fish for the state fish and game department.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydrologist

Environmental Science and Protection Technician

Ecologist

RESEARCH

## ENVIRONMENTAL SERVICE SYSTEMS

## Assist community watershed action groups.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist local agencies with data collection for watersheds.
- » Research the benefits of the Conservation Resource Program (CRP).
- » Work as a water-quality lab assistant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Compliance Officer

Agricultural Lobbyist

Agriculture Legislative Assistant



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Conduct composting workshops for homeowners.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Develop a plan to manage school food waste.
- » Create an ad promotion for local food products on your chapter website.
- » Build and maintain the compost units at the school.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Extension Agent

Agriculture Science Teacher

Environmental Science and Protection Technician



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Collect water samples for local or state agencies.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a water sample-collecting service.
- » Conduct a local water-quality study.
- » Work as a water-quality lab assistant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydrologist

Environmental Compliance Officer

Conservation Officer



PLACEMENT/INTERNSHIP

## ENVIRONMENTAL SERVICE SYSTEMS

## Develop and implement a farm safety class for elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research methods for preventing common accidents in an agriculture department laboratory.
- » Present a food safety demonstration to elementary students.
- » Organize and/or run a petting zoo at local fairs or farmers' markets.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Occupational Health and Safety Manager

Extension Agent



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Establish green belts along streams on your farm.



### Is this right for me?

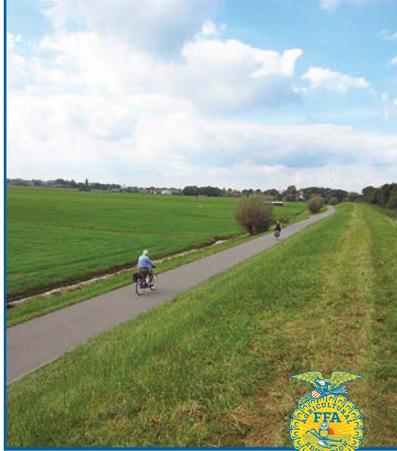
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist local agencies with data collection for watersheds.
- » Volunteer to assist at campgrounds with cleanup and maintenance.
- » Develop habitat trails for walking.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Science and Protection Technician | Conservation Officer | Restoration Specialist



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Put together a town safety package; mark all signs, fire hydrants and water drains.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct composting workshops for homeowners.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.
- » Sell radon detectors and collect radon samples.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Occupational Health and Safety Manager | Extension Agent | Human Resources Manager



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Research the benefits of the Conservation Resource Program (CRP).



### Is this right for me?

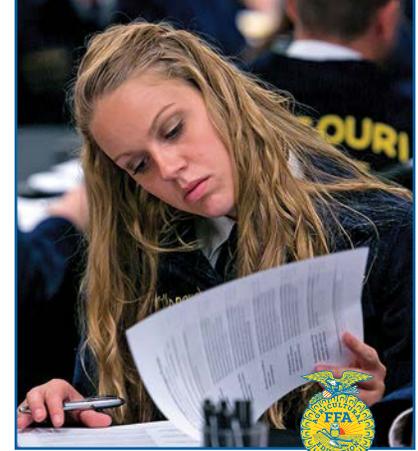
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for the natural resources and conservation district.
- » Attend the meetings of local or state conservation boards.
- » Create podcasts about agricultural issues.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Lobbyist | Conservation Officer | Agriculture Legislative Assistant



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Take part in a mentorship program with the local soil and water conservation district.



### Is this right for me?

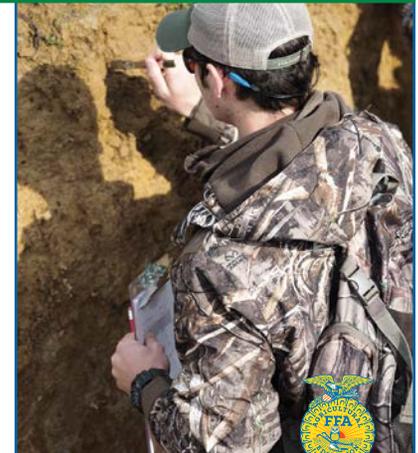
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a 10-minute presentation about careers in agribusiness for other FFA members.
- » Create posters on soil conservation practices for homeowners.
- » Assist landowners with the installation of soil conservation practices.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist | Conservation Officer | Agricultural Lobbyist



EXPLORATORY

## ENVIRONMENTAL SERVICE SYSTEMS

## Sell gourmet popcorn products.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

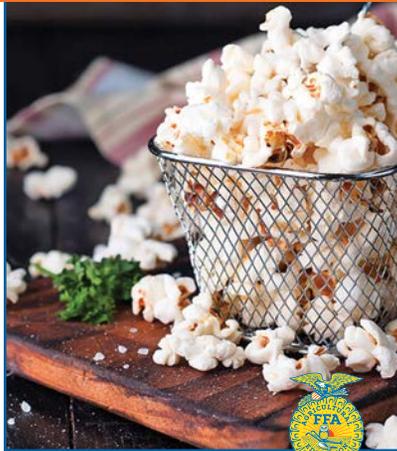
- » Test ideas for new food products.
- » Create posters that show foods from raw to finished product.
- » Work for an agricultural marketing services company.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Production  
Supervisor

Flavor Technologist

Product Development  
Food Scientist



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Raise fish and sell to local restaurants.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a fish pond and teach others how to fish.
- » Raise fish for the state fish and game department.
- » Grow organic fruits and/or vegetables for a local café.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Aquaculture Hatchery  
Manager

Supply Chain Manager

Pricing Coordinator



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Use unsellable zucchini in baked goods as a side to vegetable production.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

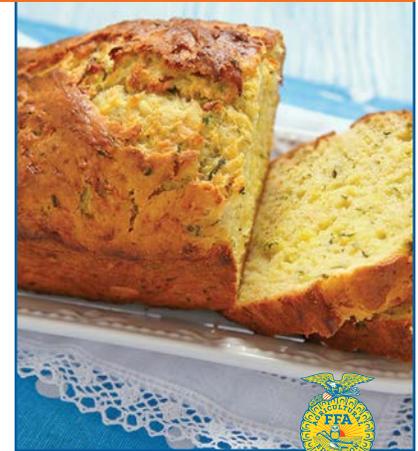
- » Raise and sell fruits and/or vegetables.
- » Create posters that show foods from raw to finished product.
- » Work on a vegetable or fruit farm.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Production  
Supervisor

Flavor Technologist

Produce Inspector



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Process and sell specialty products—bison, wildflowers, ostrich, etc.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a trapping business.
- » Shadow a USDA meat inspector.
- » Grow organic fruits and/or vegetables for a local café.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Meat Inspector

Sales Representative: Food,  
Feed, Seed, Fuel

Marketing Specialist



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Process wild game for jerky.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Shadow a USDA meat inspector.
- » Operate a trapping business.
- » Serve as a hunting guide.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Slaughter Processor -  
General Operator

Meat Inspector

Slaughter Processor -  
Trimmer/Cutter



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Sell picked vegetables.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview three companies that process or package food products.
- » Grow vegetables to give to a local food pantry.
- » Make jams and jellies for sale at a farmers' market.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Produce Inspector

Formulation Chemist

Product Development  
Food Scientist



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Collect wild mushrooms and sell to local vendors.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

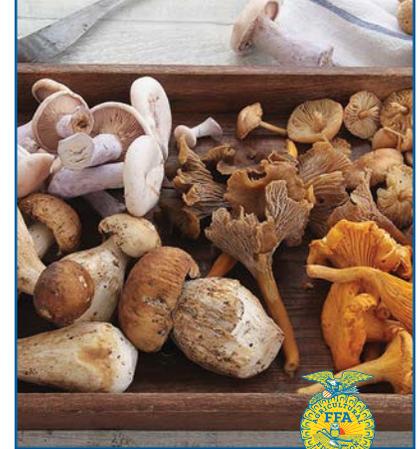
- » Help at a local fruit/vegetable stand.
- » Present a food safety demonstration to elementary students.
- » Discover the native plants for your ecological area and determine how prevalent they are currently.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Supply Chain Manager

Produce Inspector



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Make jams and jellies for sale at a farmers' market.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a local bakery.
- » Study the impact of various styles of labels on people's perception of the food.
- » Sell picked vegetables.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Produce Inspector

Formulation Chemist

Product Development  
Food Scientist



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Start a service to grow gardens for the elderly.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work to establish a community vegetable garden.
- » Create an ad promotion for local food products on your chapter website.
- » Take small animals to nursing homes for visits.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Extension Agent

Agronomist



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work at a meat production plant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Shadow a USDA meat inspector.
- » Work at a livestock farm or a ranch.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Meat Inspector

Evisceration Processor

Slaughter Processor -  
General Operator



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work for and/or operate a wild bird processing service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Construct and sell game feeders.
- » Build bat, bird, duck or squirrel houses for use or sale.
- » Work at a meat production plant.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Meat Inspector

Evisceration Processor

Slaughter Processor -  
General Operator



OWNERSHIP/ENTREPRENEURSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work at a produce facility that repackages and sells produce.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview three companies that process or package food products.
- » Work for an agricultural marketing services company.
- » Create hands-on classroom activities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Packaging Engineer

Food Safety Specialist

Production Manager



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work at a vegetable or fruit canning factory.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview three companies that process or package food products.
- » Make jams and jellies for sale at a farmers' market.
- » Test ideas for new food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Packaging Engineer | Food Safety Specialist | Production Manager



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work for an agricultural seed-cleaning and bagging company.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at a seed corn dealership.
- » Process and deliver seedlings to elementary students.
- » Interview three companies that process or package food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Seed Production Technician | Storage and Hygiene Coordinator | Packaging Engineer



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work on a vegetable or fruit farm.



### Is this right for me?

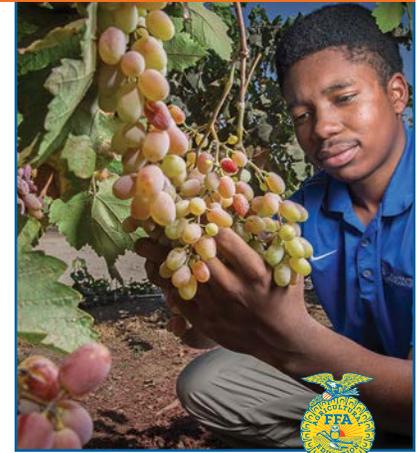
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Grow vegetables to give to a local food pantry.
- » Create an ad promotion for local food products on your chapter website.
- » Use the school lab to manage small vegetable crop variety plots.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agronomist | Greenhouse Manager | Crop Scout



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Help at a local fruit/vegetable stand.



### Is this right for me?

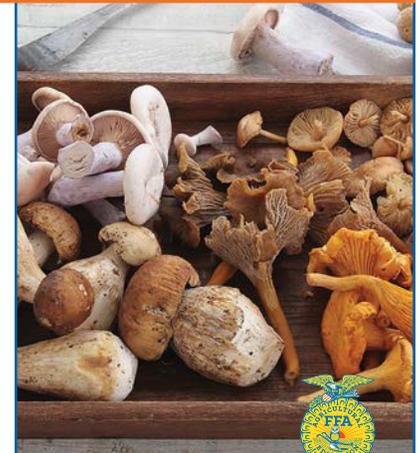
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a franchise of an existing fruit/vegetable stand.
- » Create an ad promotion for local food products on your chapter website.
- » Present a food safety demonstration to elementary students.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sales Representative: Food, Feed, Seed, Fuel | Public Relations Specialist | Food Stylist



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Assist on an herb farm.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work on a vegetable or fruit farm.
- » Create an ad promotion for local food products on your chapter website.
- » Shadow officials at a government natural resources agency.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agronomist

Greenhouse Manager

Crop Scout



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Assist with produce selection at a grocery store.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a service provider in a grocery store.
- » Create posters that show foods from raw to finished product.
- » Use unsellable zucchini in baked goods as a side to vegetable production.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Produce Inspector

Produce Buyer

Quality and Assurance Auditor



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Deliver vegetables and/or fruits to customers for a local grower.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a franchise of an existing fruit/vegetable stand.
- » Process and deliver seedlings to elementary students.
- » Grow organic fruits and/or vegetables for a local café.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Truck Driver

Logistics and Supply Chain Manager

Produce Inspector



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work at a local bakery.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

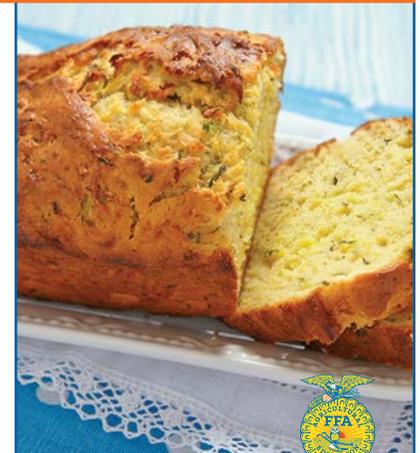
- » Create posters that show foods from raw to finished product.
- » Make jams and jellies for sale at a farmers' market.
- » Test ideas for new food products.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Production Supervisor

Fermentation Scientist

Production Manager



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work in the deli or bakery at a grocery store.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a service provider in a grocery store.
- » Research incidents of food-borne illnesses in the community.
- » Create posters that show foods from raw to finished product.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Production  
Supervisor

Fermentation Scientist

Freezer/Refrigeration  
Specialist



PLACEMENT/INTERNSHIP

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Test ideas for new food products.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an agricultural marketing services company.
- » Research why new food fails to sell.
- » Help at a local fruit/vegetable stand.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Research and  
Development Technician

Product Development  
Food Scientist

Flavor Technologist



RESEARCH

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Research the environmental effects on milk.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

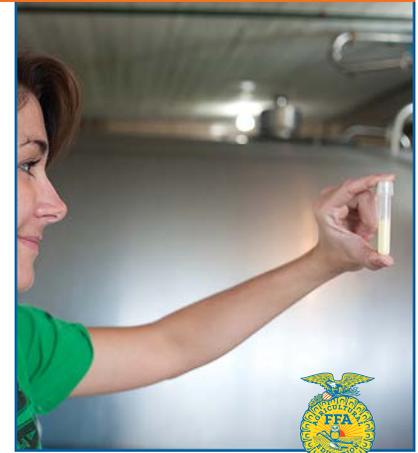
- » Research incidents of food-borne illnesses in the community.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.
- » Work on a dairy farm or heifer-raising farm.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Safety/Quality  
Assurance Manager

Food Safety Specialist

Quality Assurance  
Manager



RESEARCH

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Research incidents of food-borne illnesses in the community.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

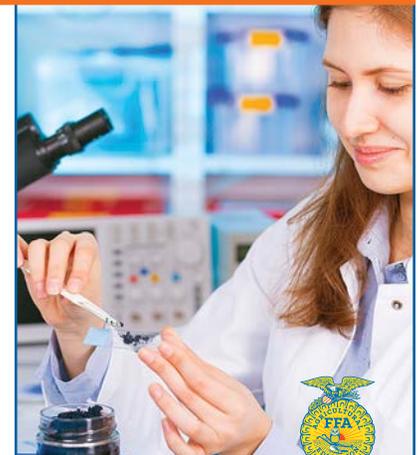
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.
- » Present a food safety demonstration to elementary students.
- » Interview three companies that process or package food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Food Safety Specialist

Food Safety/Quality  
Assurance Manager

Quality Assurance  
Manager



EXPLORATORY

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Study the impact of various styles of labels on people's perception of the food.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create an ad promotion for local food products on your chapter website.
- » Work for an agricultural marketing services company.
- » Help at a local fruit/vegetable stand.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Marketing Specialist | Graphic Designer | Social Media Strategist

RESEARCH

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Research the development and use of edible soybeans.

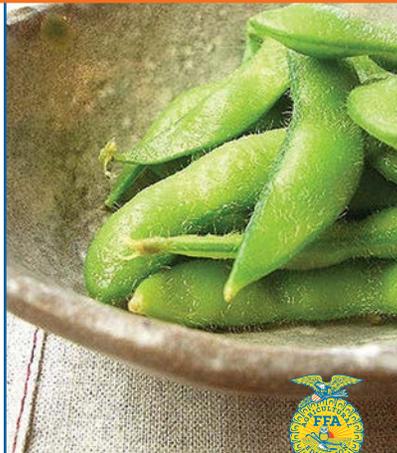


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Test ideas for new food products.
- » Plan plant-related activities and laboratories for your class.
- » Develop a test plot for various types of crops.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Product Development Food Scientist | Plant Biologist | Product Development Food Scientist

RESEARCH

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Research why new food fails to sell.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Study the impact of various styles of labels on people's perception of the food.
- » Test ideas for new food products.
- » Create hands-on classroom activities.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Product Development Food Scientist | Research and Development Technician | Process/Continuous Improvement Manager

RESEARCH

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Work to establish a community vegetable garden.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at an area garden center.
- » Ask farmers for permission to glean fields for food to give to homeless shelters.
- » Build and maintain the compost units at the school.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Nutritionist/Dietitian | Extension Agent

SERVICE-LEARNING

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Interview three companies that process or package food products.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create posters that show foods from raw to finished product.
- » Study the impact of various styles of labels on people's perception of the food.
- » Make jams and jellies for sale at a farmers' market.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Packaging Engineer | Process/Continuous Improvement Manager | Research and Development Manager



EXPLORATORY

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Ask farmers for permission to glean fields for food to give to homeless shelters.



### Is this right for me?

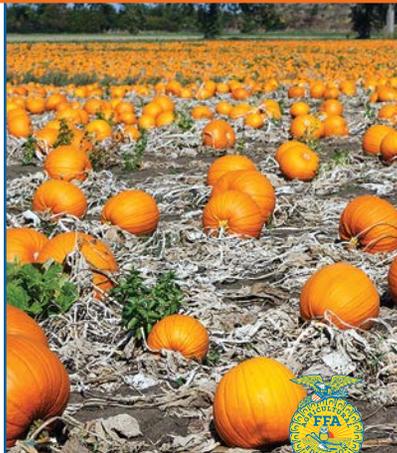
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create an ad promotion for local food products on your chapter website.
- » Start a service to grow gardens for the elderly.
- » Build and maintain the compost units at the school.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Extension Agent | Agronomist



SERVICE-LEARNING

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Grow vegetables to give to a local food pantry.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create an ad promotion for local food products on your chapter website.
- » Use unsellable zucchini in baked goods as a side to vegetable production.
- » Build and maintain the compost units at the school.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Extension Agent | Agronomist



SERVICE-LEARNING

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Shadow a USDA meat inspector.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a 10-minute presentation about careers in agribusiness for other FFA members.
- » Work at a meat production plant.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Meat Inspector | Slaughter Processor - General Operator | Slaughter Processor - Trimmer/Cutter



EXPLORATORY

## FOOD PRODUCTS & PROCESSING SYSTEMS

## Raise wild game fowl for sale to local hunters.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise game birds to sell for the training of bird dogs.
- » Build bat, bird, duck or squirrel houses for use or sale.
- » Process wild game for jerky.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Game Warden

Conservationist

Poultry Hatchery Manager



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Raise Christmas trees and sell at Christmas time.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist Christmas tree farmers with planting and trimming.
- » Process and deliver seedlings to elementary students.
- » Manage and improve woodlot areas including firewood, habitat, etc.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Forester

Arborist

Horticulturist



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Stock and maintain fish populations in ponds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for the natural resources and conservation district.
- » Raise fish for the state fish and game department.
- » Work at a commercial fishing operation where they harvest carp, buffalo, etc. from the area lakes and sell them.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Aquaculture Hatchery  
Manager

Fisheries Technician

Game Warden



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Cut firewood and sell at local stores.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Develop a forest/wildlife management plan for a local landowner.
- » Work at a sawmill.
- » Manage and improve woodlot areas including firewood, habitat, etc.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Logger

Forester

Logistics and Supply  
Chain Manager



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Raise fish for the state fish and game department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Organize and participate in a wildlife field day.
- » Work for the fish and game department.
- » Grow catfish to sell to local cafés.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Conservationist

Poultry Hatchery Manager



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Contract with landowners to plant food plots for wildlife.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

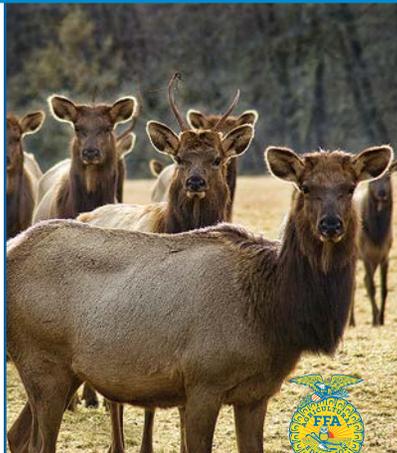
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.
- » Construct and sell game feeders.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Game Warden

Conservation Officer



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Operate a trapping business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for the state fish and game department.
- » Serve as a hunting guide.
- » Develop marshlands for game.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Slaughter Processor -  
General Operator

Quality Assurance  
Manager



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Construct and sell game feeders.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

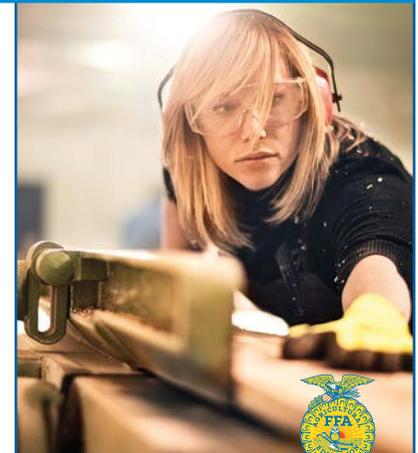
- » Serve as a hunting guide.
- » Build bat, bird, duck or squirrel houses for use or sale.
- » Create activities or laboratories for a natural resources class.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Welder

Marketing Specialist



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Create and sell soil survey maps for area farmers and landowners.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create posters on soil conservation practices for homeowners.
- » Study soil profiles from multiple locations in your community and develop a soil map.
- » Assist landowners with the installation of soil conservation practices.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist

Restoration Specialist

Conservationist



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Develop hunting ranges; set up indoor/outdoor ranges for bow competitions.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

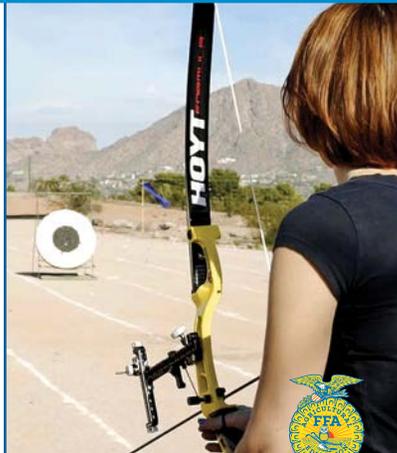
- » Serve as a hunting guide.
- » Organize and participate in a wildlife field day.
- » Maintain and supervise the school prairie or grounds.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Event Manager

Customer Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Build bat, bird, duck or squirrel houses for use or sale.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

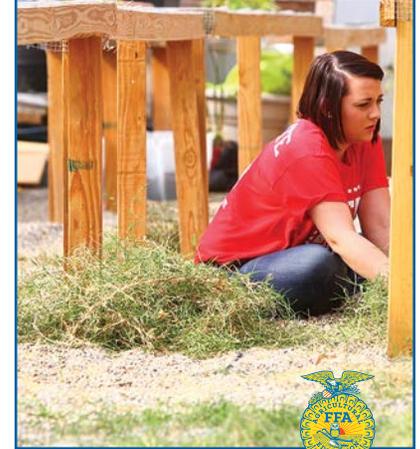
- » Construct and sell game feeders.
- » Conduct surveys of wildlife populations.
- » Work for a nature center.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Carpenter/Laborer

Marketing Specialist



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Develop a forest/wildlife management plan for a local landowner.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

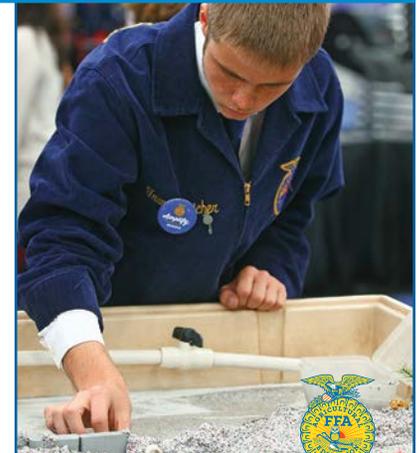
- » Assist a timber stand improvement specialist.
- » Work for parks and recreation in the maintenance department.
- » Provide forestry walk-through tours for elementary students.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Forester

Conservationist



OWNERSHIP/ENTREPRENEURSHIP

## NATURAL RESOURCES SYSTEMS

## Clean and prune orchards.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

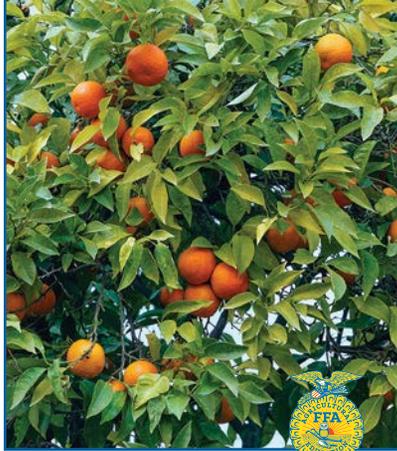
- » Ask farmers for permission to glean fields for food to give to homeless shelters.
- » Create an ad promotion for local food products on your chapter website.
- » Start your own pruning business.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Arborist

Horticulturist

Landscape Technician



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work for a landowner to plant a habitat for wild game.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

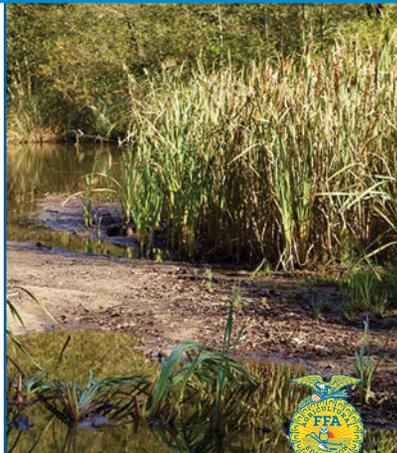
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.
- » Conduct surveys of wildlife populations.
- » Research best practices for improving fish habitats in local ponds.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Conservationist

Restoration Specialist



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work in the logging business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

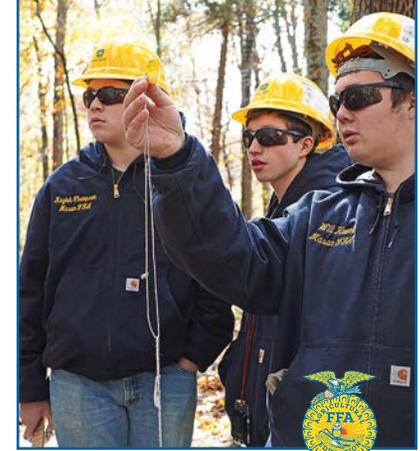
- » Work at a sawmill.
- » Cut firewood and sell at local stores.
- » Provide a wood-chipping service and sell the chips as mulch.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Logger

Forester

Dispatcher



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Serve as a hunting guide.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

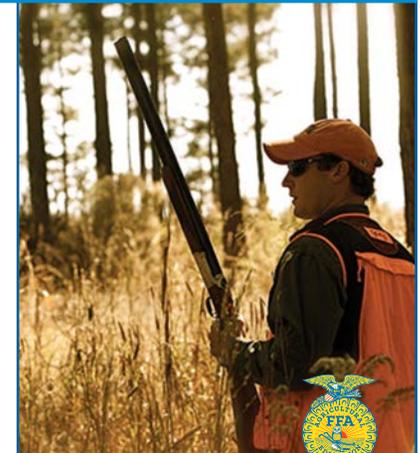
- » Work as a wildlife outfitter or guide.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.
- » Run a trapping business.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Public Relations Specialist

Conservation Officer



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Maintain and supervise the school prairie or grounds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Habitat construction—make brush piles, a plant wildlife habitat, etc.
- » Create activities or laboratories for a natural resources class.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Restoration Specialist

Extension Agent



SCHOOL-BASED ENTERPRISE

## NATURAL RESOURCES SYSTEMS

## Work for a park service during the summer.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

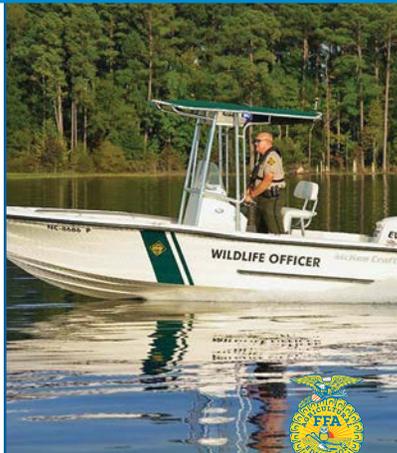
- » Volunteer to assist with cleanup and maintenance at campgrounds.
- » Clean shelterbelts and stack refuse in piles.
- » Research your local parks to find out what activities people like and use the most.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Conservationist

Game Warden



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work at a sawmill.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Cut firewood and sell at local stores.
- » Provide a wood-chipping service and sell the chips as mulch.
- » Manage and improve woodlot areas including firewood, habitat, etc.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Logger

Forester

Carpenter/Laborer



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work for a nature center.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

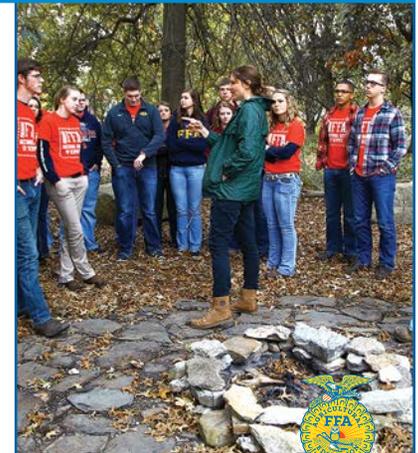
- » Interview a naturalist.
- » Create activities or laboratories for a natural resources class.
- » Work for parks and recreation in the maintenance department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Restoration Specialist

Customer Service  
Representative



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Assist Christmas tree farmers with planting and trimming.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise Christmas trees and sell at Christmas time.
- » Manage and improve woodlot areas including firewood, habitat, etc.
- » Start your own pruning business.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Arborist

Forester

Landscape Technician



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work for the fish and game department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

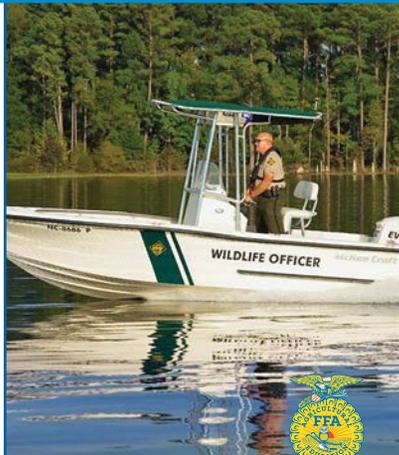
- » Conduct surveys of wildlife populations.
- » Provide outdoor education material at camps.
- » Contract with landowners to plant food plots for wildlife.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Game Warden

Conservationist

Conservation Officer



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Assist local city management with summer programs by serving as guides.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

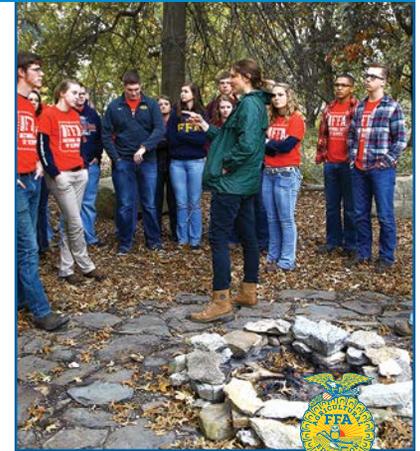
- » Provide outdoor education material at camps.
- » Put together a town safety package; mark all signs, fire hydrants and water drains.
- » Develop habitat trails for walking.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Advisor: Government/  
Stakeholder Relations

Extension Agent

Agricultural Literacy and  
Advocacy Specialist



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work for parks and recreation in the maintenance department.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Develop habitat trails for walking.
- » Volunteer to assist with cleanup and maintenance at campgrounds.
- » Provide outdoor education material at camps.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Maintenance/Service  
Technician

Sanitation Coordinator



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Work at a bait shop.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create activities or laboratories for a natural resources class.
- » Work at a commercial fishing operation where they harvest carp, buffalo, etc. from the area lakes and sell them.
- » Raise fish for the state fish and game department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fisheries Technician | Entomologist | Conservationist



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Attend the meetings of local or state conservation boards.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Volunteer to design a website for a local agriculture group.
- » Interview a naturalist.
- » Take part in a mentorship program with the local soil and water conservation district.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Lawyer | Conservation Officer | Advisor: Government/  
Stakeholder Relations



EXPLORATORY

## NATURAL RESOURCES SYSTEMS

## Assist a timber stand improvement specialist.



### Is this right for me?

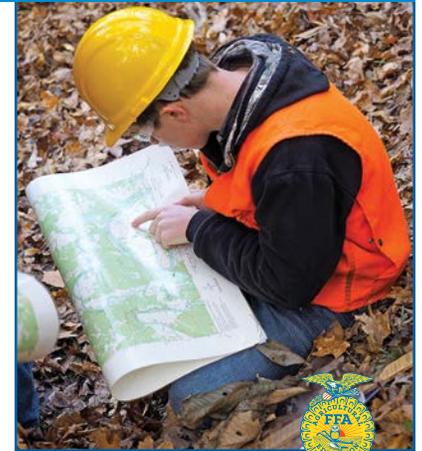
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a timber cruise and mark timber to be thinned.
- » Manage and improve woodlot areas including firewood, habitat, etc.
- » Research the effectiveness of habitat restoration projects in your community.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Forester | Restoration Specialist | Conservationist



PLACEMENT/INTERNSHIP

## NATURAL RESOURCES SYSTEMS

## Interview a naturalist.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Shadow officials at a government natural resources agency.
- » Create podcasts about agricultural issues.
- » Take part in a mentorship program with the local soil and water conservation district.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist | Conservation Officer | Agriculture Journalist



EXPLORATORY

## NATURAL RESOURCES SYSTEMS

## Shadow officials at a government natural resources agency.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Attend the meetings of local or state conservation boards.
- » Create podcasts about agricultural issues.
- » Work as an intern for the local agriculture department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Legislative Assistant

Advisor: Government/ Stakeholder Relations

Administrative Assistant



EXPLORATORY

## NATURAL RESOURCES SYSTEMS

## Develop habitat trails for walking.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

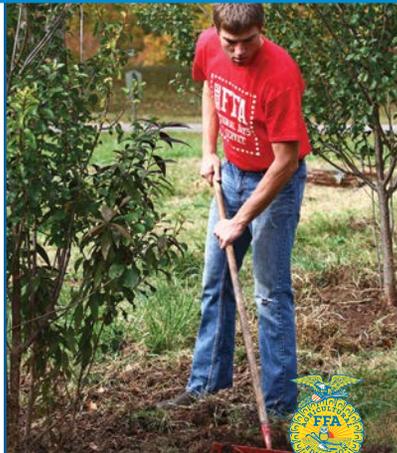
- » Research your local parks to find out what activities people like and use the most.
- » Establish green belts along streams on your farm.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Conservation Officer

Restoration Specialist



SERVICE-LEARNING

## NATURAL RESOURCES SYSTEMS

## Habitat construction—make brush piles, plant a wildlife habitat, etc.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Develop habitat trails for walking.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.
- » Research best practices for improving fish habitats in local ponds.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist

Conservation Officer

Restoration Specialist



SERVICE-LEARNING

## NATURAL RESOURCES SYSTEMS

## Manage and improve woodlot areas including firewood, habitat, etc.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

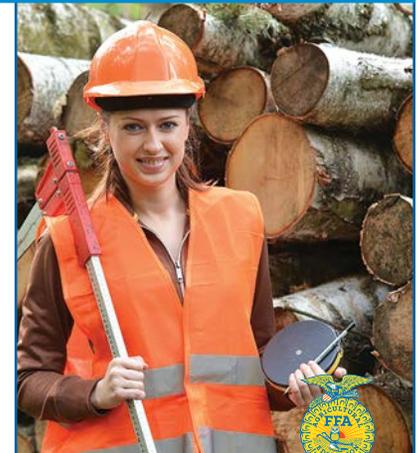
- » Research the impact of various insects on woodlot management.
- » Cut firewood and sell at local stores.
- » Volunteer to work with landowners to improve their forest lots.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Forester

Arborist

Logger



SERVICE-LEARNING

## NATURAL RESOURCES SYSTEMS

## Process and deliver seedlings to elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create activities or laboratories for a natural resources class.
- » Work for a nature center.
- » Assist a timber stand improvement specialist.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Plant Scientist/Field Agronomist

Agricultural Literacy and Advocacy Specialist



SCHOOL-BASED ENTERPRISE

## NATURAL RESOURCES SYSTEMS

## Volunteer to assist with cleanup and maintenance at campgrounds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Provide outdoor education material at camps.
- » Clean shelterbelts and stack refuse in piles.
- » Work for the fish and game department.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sanitation Coordinator

Conservationist

Occupational Health and Safety Manager



EXPLORATORY

## NATURAL RESOURCES SYSTEMS

## Clean shelterbelts and stack refuse in piles.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Volunteer to assist with cleanup and maintenance at campgrounds.
- » Work for parks and recreation in the maintenance department.
- » Assist a timber stand improvement specialist.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sanitation Coordinator

Environmental Science and Protection Technician

Conservationist



SERVICE-LEARNING

## NATURAL RESOURCES SYSTEMS

## Research best practices for improving fish habitats in local ponds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

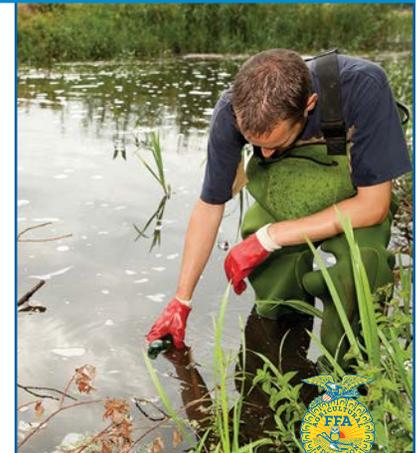
- » Stock and maintain fish populations in ponds.
- » Start a fish pond and teach others how to fish.
- » Work at a fishery monitoring water quality.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Fisheries Technician

Extension Agent

Restoration Specialist



RESEARCH

## NATURAL RESOURCES SYSTEMS

## Research the benefits of using GIS mapping for natural resources.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.
- » Study soil profiles from multiple locations in your community and develop a soil map.
- » Map fields, weeds, etc. for producers using GPS and GIS.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Precision Agriculture Specialist

Ecologist

Research Associate



RESEARCH

## NATURAL RESOURCES SYSTEMS

## Study the effects of excessive lawn chemicals on wildlife.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Take part in a mentorship program with the local soil and water conservation district.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.
- » Conduct surveys of wildlife populations.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Technician

Biological Technician

Biosecurity Monitor



RESEARCH

## NATURAL RESOURCES SYSTEMS

## Study soil profiles from multiple locations in your community and develop a soil map.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work with a county soil scientist to map soils.
- » Run a soil-testing service for town gardens or farm fields; take samples, send them in and deliver results.
- » Create posters on soil conservation practices for homeowners.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist

Extension Agent

Environmental Science and Protection Technician



RESEARCH

## NATURAL RESOURCES SYSTEMS

## Research the effectiveness of habitat restoration projects in your community.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

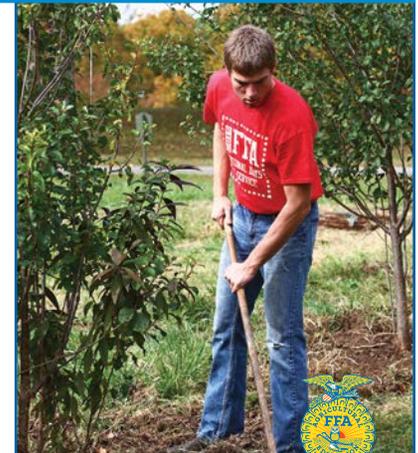
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.
- » Take part in a mentorship program with the local soil and water conservation district.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Restoration Specialist

Conservationist

Conservation Officer



RESEARCH

## NATURAL RESOURCES SYSTEMS

## Study the changes in mining industry techniques over time.

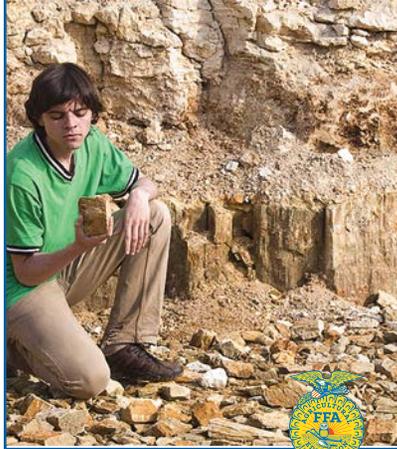


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research area pollution concerns.
- » Work with county soil and water engineers; assist in measuring and engineer design.
- » Interview area agriculture producers about the changes in technology over the past 50 years.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Research Associate

Agriculture Journalist

Environmental Compliance Officer

RESEARCH

## NATURAL RESOURCES SYSTEMS

## Research the impact of various insects on woodlot management.

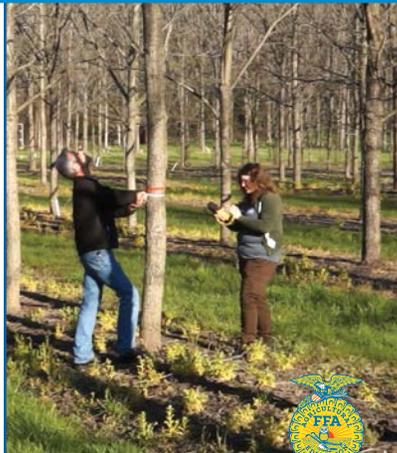


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Take pictures and make a CD for plant or insect identification.
- » Manage and improve woodlot areas including firewood, habitat, etc.
- » Volunteer to work with landowners to improve their forest lots.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Restoration Specialist

Entomologist

Forester

RESEARCH

## NATURAL RESOURCES SYSTEMS

## Research your local parks to find out what activities people like and use the most.

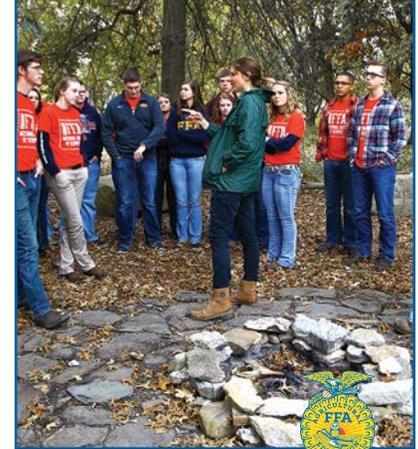


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a park service during the summer.
- » Put together a town safety package; mark all signs, fire hydrants and water drains.
- » Create a brochure on creating wildlife habitats in backyards to share with the community.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Data Processor

Quality Assurance Auditor

Product Development Manager/Demand Planner

RESEARCH

## NATURAL RESOURCES SYSTEMS

## Research the impact of using ATVs on public lands.

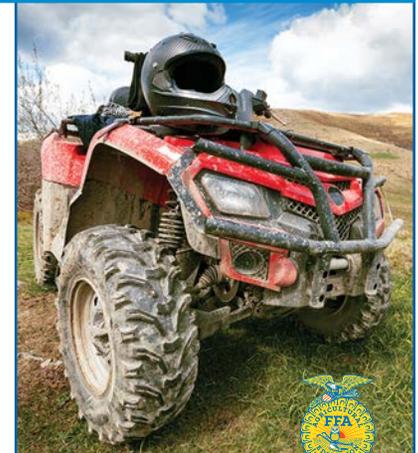


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Volunteer to assist with cleanup and maintenance at campgrounds.
- » Develop habitat trails for walking.
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Science and Protection Technician

Extension Agent

Conservation Officer

RESEARCH

## NATURAL RESOURCES SYSTEMS

Discover the native plants for your ecological area and determine how prevalent they are currently.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Collect and laminate plants from a nursery landscape career development event at various stages of growth.
- » Take pictures and make a CD for plant or insect identification.
- » Process and deliver seedlings to elementary students.



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Conservationist | Plant Biologist | Ecologist

RESEARCH

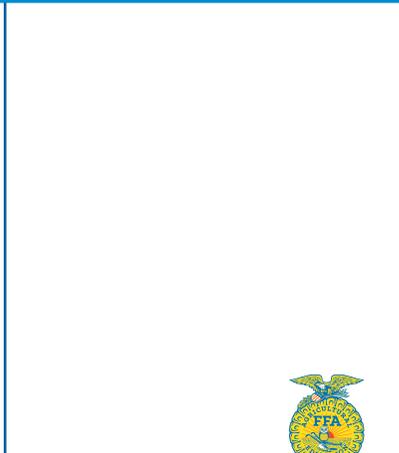
**NATURAL RESOURCES SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

PLACEMENT/INTERNSHIP

**NATURAL RESOURCES SYSTEMS**

Work at a commercial fishing operation where they harvest carp, buffalo, etc. from the area lakes and sell them.

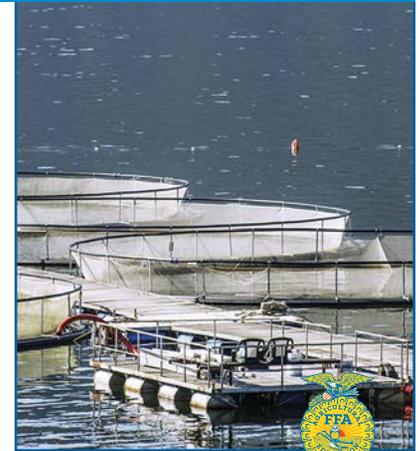


**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Stock and maintain fish populations in ponds.
- » Grow catfish to sell to local cafés.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Aquaculture Hatchery Manager | Fisheries Technician | Supply Chain Manager

PLACEMENT/INTERNSHIP

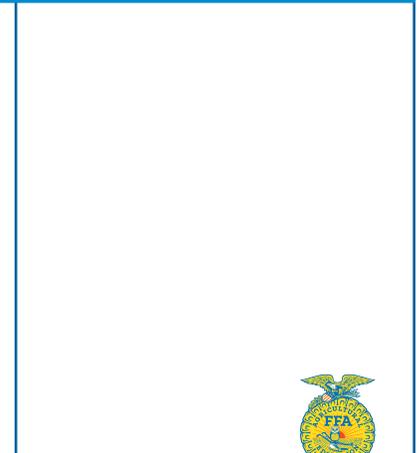
**NATURAL RESOURCES SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**



**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

RESEARCH

**NATURAL RESOURCES SYSTEMS**

## Grow flowers for sale at a local farmers' market.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Grow and sell plants through the high school greenhouse.
- » Grow and sell plants from a home garden and/or greenhouse.
- » Work for a local flower shop doing design, plant care, deliveries, etc.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Florist

Greenhouse Manager

Horticulturist



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Start your own pruning business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start your own spraying business.
- » Work in an orchard.
- » Assist Christmas tree farmers with planting and trimming.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Technician

Arborist

Ecologist



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Rent land from a neighbor and grow crops.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create posters that show foods from raw to finished product.
- » Use unsellable zucchini in baked goods as a side to vegetable production.
- » Grow vegetables to give to a local food pantry.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agronomist

Plant Scientist/Field  
Agronomist

Crop Scout



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Start your own spraying business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

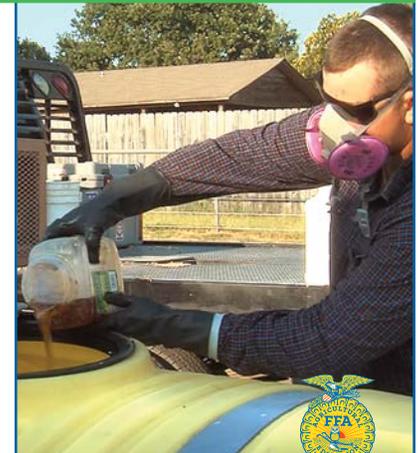
- » Start a service to collect used pesticide containers.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Test organic versus inorganic fertilizers on plant development.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Pathologist

Custom Applicator

Aerial Applicator/  
Agricultural Pilot



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Start your own forage-testing service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a hay-hauling service.
- » Test forage samples under various conditions to determine feed values.
- » Work at a livestock farm or a ranch.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Arborist

Forester

Research Associate



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Start your own lawn-mowing service.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a sprinkler installation business.
- » Provide services to fertilize lawns, till garden spots, prune trees, etc.
- » Design, build and sell lawn ornaments.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Technician

Maintenance/Service Technician

Customer Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Start your own soil-sampling business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create posters on soil conservation practices for homeowners.
- » Study soil profiles from multiple locations in your community and develop a soil map.
- » Create and sell soil survey maps for area farmers and landowners.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist

Laboratory Technician

Research Station Manager



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Grow and sell plants through the high school greenhouse.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Build and maintain the compost units at the school.
- » Help at a local fruit/vegetable stand.
- » Develop a test plot for various types of crops.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Greenhouse Manager

Social Media Strategist



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Raise Christmas trees.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist Christmas tree farmers with planting and trimming.
- » Research the impact of various insects on woodlot management.
- » Process and deliver seedlings to elementary students.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Forester

Arborist

Horticulturist



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Provide services to fertilize lawns, till garden spots, prune trees, etc.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawn maintenance/mowing service.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Design, build and sell lawn ornaments.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Technician

Custom Applicator

Arborist



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Raise and sell fruits and/or vegetables.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

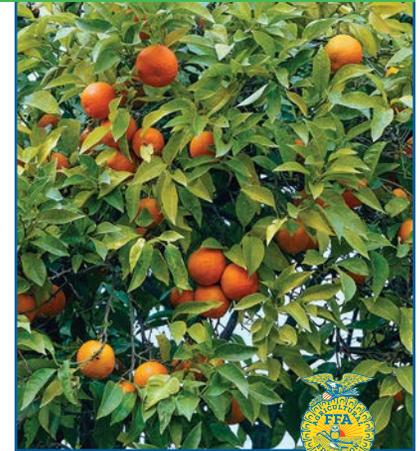
- » Use unsellable zucchini in baked goods as a side to vegetable production.
- » Work to establish a community vegetable garden.
- » Grow vegetables to give to a local food pantry.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horticulturist

Greenhouse Manager

Hydroponics Producer



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Grow organic fruits and/or vegetables for a local café.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

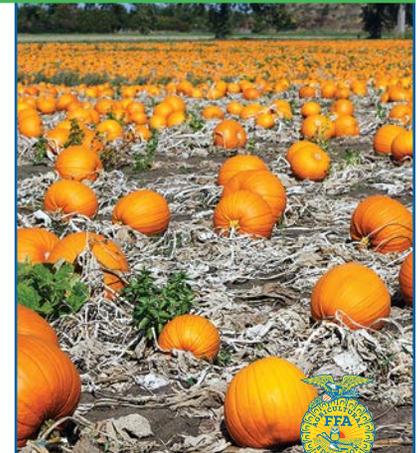
- » Work to establish a community vegetable garden.
- » Assist with the produce selection at a grocery store.
- » Test organic versus inorganic fertilizers on plant development.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Horticulturist

Greenhouse Manager

Hydroponics Producer



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Grow and sell red worms used to produce compost.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Build and maintain the compost units at the school.
- » Conduct composting workshops for homeowners.
- » Develop a plan to manage school food waste.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Entomologist

Soil Scientist

Conservationist



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Work as a range consultant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

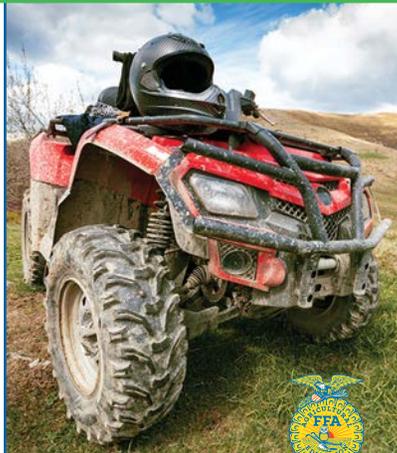
- » Maintain and supervise the school prairie or grounds.
- » Discover the native plants for your ecological area and determine how prevalent they are currently.
- » Plan plant-related activities and laboratories for your class.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservation Officer

Game Warden

Extension Agent



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Sell and install water gardens.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

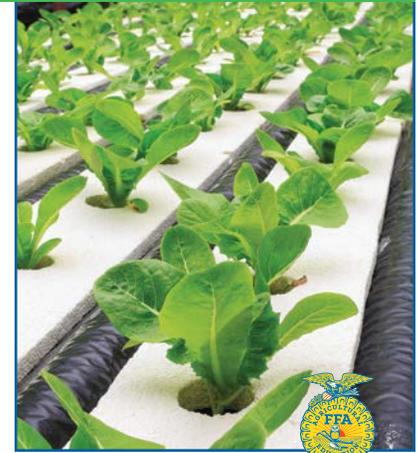
- » Work at an area garden center.
- » Research the effect of various planting times on yields of fruits and/or vegetables.
- » Create hands-on classroom activities.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydroponics Producer

Greenhouse Manager

Landscape Technician



OWNERSHIP/ENTREPRENEURSHIP

## PLANT SYSTEMS

## Work for a sprinkler installation business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawn maintenance/mowing service.
- » Test the drought tolerance of different types of fruits and/or vegetables.
- » Research the water savings accomplished by new irrigation technologies.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist

Landscape Technician

Landscape Designer



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work for a grain farmer.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as a grain tester/handler for a local elevator.
- » Research feed trials testing different swine diets.
- » Create posters that show foods from raw to finished product.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Crop Scout

Truck Driver

Grain Marketing Specialist



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work for an agronomy service and collect soil samples.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Run a soil-testing service for town gardens or farm fields; take samples, send them in and deliver results.
- » Create posters on soil conservation practices for homeowners.
- » Work with a county soil scientist to map soils.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist

Agronomist

Laboratory Technician



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Conduct a timber cruise and mark timber to be thinned.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

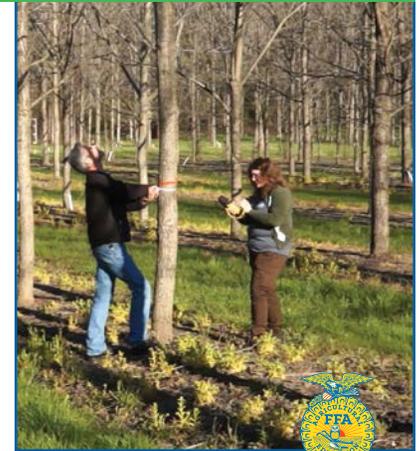
- » Research the impact of various insects on woodlot management.
- » Provide forestry walk-through tours for elementary students.
- » Create activities or laboratories for a natural resources class.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Forester

Logger

Conservation Officer



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work for a lawn and landscape care business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

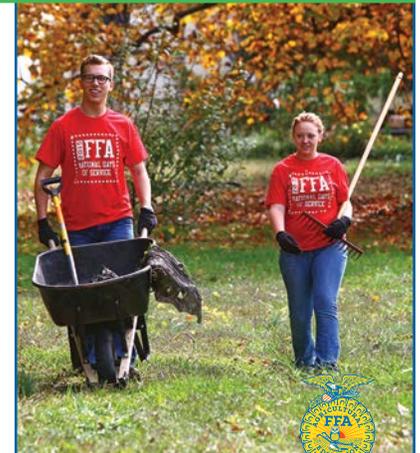
- » Design, build and sell lawn ornaments.
- » Operate a lawn maintenance/mowing service.
- » Research the best turf grass varieties for your area.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Technician

Landscape Designer

Customer Service Representative



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work in and monitor the school forest.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Provide forestry walk-through tours for elementary students.
- » Research the impact of various insects on woodlot management.
- » Create activities or laboratories for a natural resources class.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Agriculture Science  
Teacher

Forester

Arborist



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work at a golf course.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the best turf grass varieties for your area.
- » Work as an assistant sales manager at a turf equipment company.
- » Research the water savings accomplished by new irrigation technologies.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Athletic Turf Manager

Golf Course  
Superintendent

Landscape Technician



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work at a nursery.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

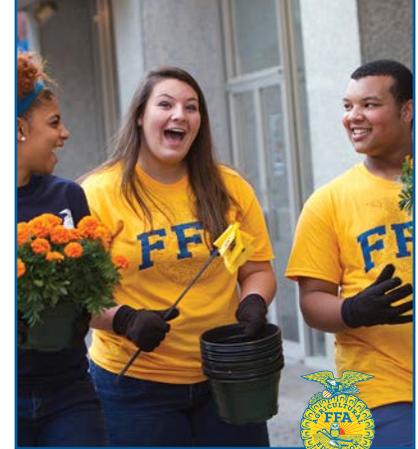
- » Take care of flower beds/gardens on school property.
- » Research plant propagation techniques.
- » Process and deliver seedlings to elementary students.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Agronomist

Greenhouse Manager

Arborist



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work for a local flower shop doing design, plant care, deliveries, etc.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Grow flowers for sale at a local farmers' market.
- » Take care of flower beds/gardens on school property.
- » Plan plant-related activities and laboratories for your class.

### Future Careers (visit [AgExplorer.com](https://www.agexplorer.com)):

Florist

Horticulturist

Marketing Specialist



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work at a grain elevator during the summer.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start a weekly price-reporting service to publish in a newsletter.
- » Create posters that show foods from raw to finished product.
- » Create a 10-minute presentation about careers in agribusiness for other FFA members.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Grain Elevator Manager | Grain Buyer | Storage and Hygiene Coordinator



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work in an orchard.



### Is this right for me?

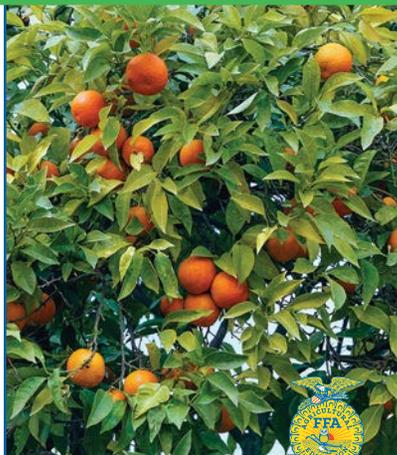
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start your own pruning business.
- » Ask farmers for permission to glean fields for food to give to homeless shelters.
- » Create an ad promotion for local food products on your chapter website.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Arborist | Horticulturist | Forester



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work on a turf farm.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the best turf grass varieties for your area.
- » Work as an assistant sales manager at a turf equipment company.
- » Research the water savings accomplished by new irrigation technologies.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist | Athletic Turf Manager | Landscape Technician



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work with a county soil scientist to map soils.



### Is this right for me?

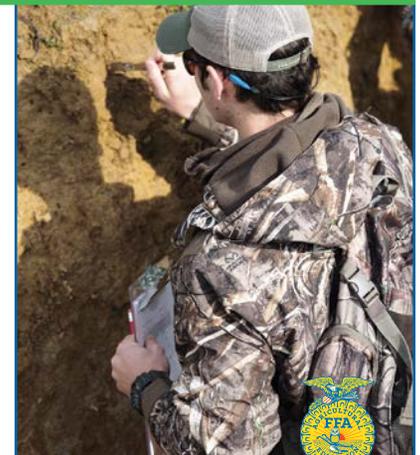
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start your own soil-sampling business.
- » Create posters on soil conservation practices for homeowners.
- » Create and sell soil survey maps for area farmers and landowners.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Soil Scientist | Extension Agent | Research Associate



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Work at an area garden center.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Do a garden projection for school land and have it mapped out four years in advance.
- » Complete a report on 10 food plants that includes origin, uses and cultivation practices.
- » Create a brochure about common houseplant diseases and how to take care of them.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sales Representative: Food,  
Feed, Seed, Fuel

Sales Trainer

Customer Service  
Representative



PLACEMENT/INTERNSHIP

## PLANT SYSTEMS

## Develop a test plot for various types of crops.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

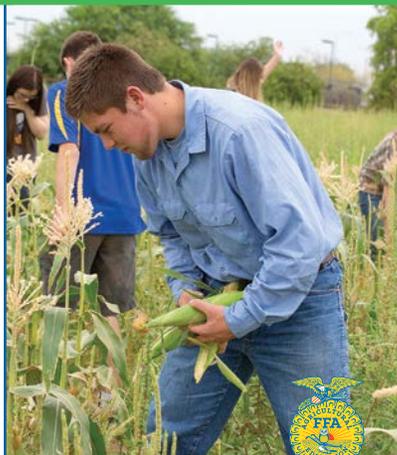
- » Complete a report on 10 food plants that includes origin, uses and cultivation practices.
- » Test the drought tolerance of different types of fruits and/or vegetables.
- » Research the effect of various planting times on yields of fruits and/or vegetables.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Scientist/Field  
Agronomist

Biological Technician

Biosecurity Monitor



RESEARCH

## PLANT SYSTEMS

## Research the best turf grass varieties for your area.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work as an assistant sales manager at a turf equipment company.
- » Start your own lawn-mowing service.
- » Work for a sprinkler installation business.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Athletic Turf Manager

Landscape Designer

Golf Course  
Superintendent



RESEARCH

## PLANT SYSTEMS

## Use the school lab to manage small vegetable crop variety plots.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Build and maintain the compost units at the school.
- » Help at a local fruit/vegetable stand.
- » Create an ad promotion for local food products on your chapter website.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Scientist/Field  
Agronomist

Plant Biologist

Agriculture Science  
Teacher



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Test forage samples under various conditions to determine feed values.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Start your own forage-testing service.
- » Operate a hay-hauling service.
- » Work on a dairy farm or heifer-raising farm.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Ruminant Nutritionist | Laboratory Technician | Reproductive and Nutritional Specialist

RESEARCH

## PLANT SYSTEMS

## Research the effect of various planting times on yields of fruits and/or vegetables.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise and sell fruits and/or vegetables.
- » Discover the best types of artificial lights for plant growth.
- » Test the drought tolerance of different types of fruits and/or vegetables.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Crop Systems Specialist | Agronomist | Plant Scientist/Field Agronomist

RESEARCH

## PLANT SYSTEMS

## Test organic versus inorganic fertilizers on plant development.

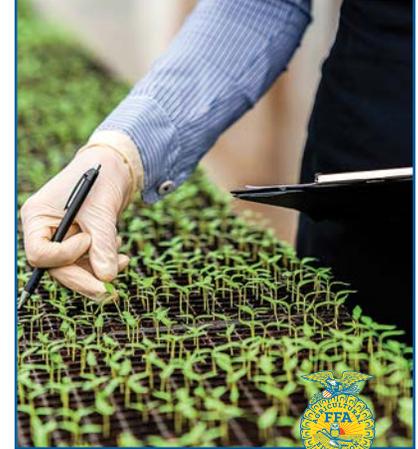


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Grow organic fruits and/or vegetables for a local café.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Plan plant-related activities and laboratories for your class.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Customer Service Representative | Plant Biologist | Environmental Scientist and Specialist

RESEARCH

## PLANT SYSTEMS

## Discover the best types of artificial lights for plant growth.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Raise and sell fruits and/or vegetables.
- » Research the effect of various planting times on yields of fruits and/or vegetables.
- » Test the drought tolerance of different types of fruits and/or vegetables.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Scientist/Field Agronomist | Agronomist | Greenhouse Manager

RESEARCH

## PLANT SYSTEMS

## Research plant propagation techniques.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Process and deliver seedlings to elementary students.
- » Plan plant-related activities and laboratories for your class.
- » Develop a test plot for various types of crops.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Scientist/Field  
Agronomist

Plant Biologist

Plant Breeder



RESEARCH

## PLANT SYSTEMS

## Take care of flower beds/gardens on school property.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Grow flowers for sale at a local farmers' market.
- » Grow vegetables to give to a local food pantry.
- » Create a brochure about common houseplant diseases and how to take care of them.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Greenhouse Manager

Agronomist



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Test the drought tolerance of different types of fruits and/or vegetables.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

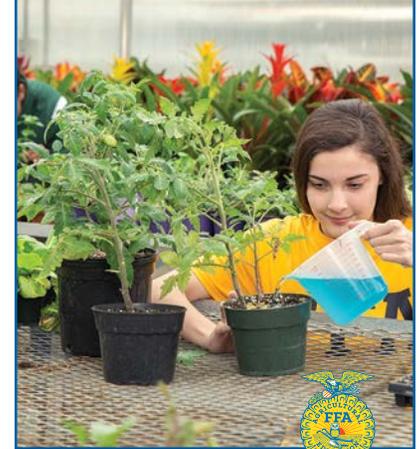
- » Research the water savings accomplished by new irrigation technologies.
- » Research the effect of various planting times on yields of fruits and/or vegetables.
- » Develop a test plot for various types of crops.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Plant Scientist/Field  
Agronomist

Crop Systems Specialist

Agronomist



RESEARCH

## PLANT SYSTEMS

## Build and maintain the compost units at the school.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

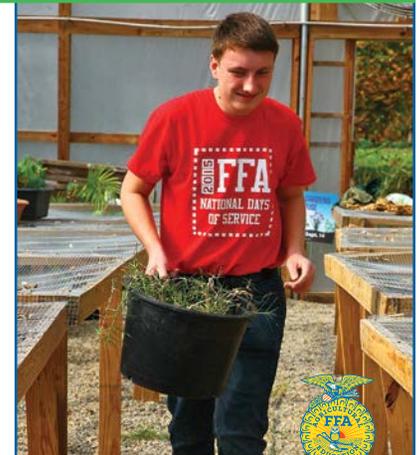
- » Conduct composting workshops for homeowners.
- » Grow and sell red worms used to produce compost.
- » Develop a plan to manage school food waste.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Conservationist

Environmental Science and  
Protection Technician



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Volunteer to work with landowners to improve their forest lots.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the impact of various insects on woodlot management.
- » Start your own pruning business.
- » Assist a timber stand improvement specialist.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Extension Agent

Forester

Conservationist



EXPLORATORY

## PLANT SYSTEMS

## Plan plant-related activities and laboratories for your class.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a brochure about common houseplant diseases and how to take care of them.
- » Take care of flower beds/gardens on school property.
- » Work at an area garden center.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

College/University  
Professor

Extension Agent



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Provide forestry walk-through tours for elementary students.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Assist a timber stand improvement specialist.
- » Work for a nature center.
- » Manage and improve woodlot areas including firewood, habitat, etc.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Forester

Event Manager



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

## Do a garden projection for school land and have it mapped out four years in advance.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work at an area garden center.
- » Research the effect of various planting times on yields of fruits and/or vegetables.
- » Research plant propagation techniques.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Agronomist

Greenhouse Manager



SCHOOL-BASED ENTERPRISE

## PLANT SYSTEMS

Collect and laminate plants from a nursery landscape career development event at various stages of growth.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Take pictures and make a CD for plant or insect identification.
- » Discover the native plants for your ecological area and determine how prevalent they are currently.
- » Create a brochure on creating a wildlife habitat in backyards to share with the community.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Agriculture Science Teacher

Arborist

Horticulturist



SCHOOL-BASED ENTERPRISE

**PLANT SYSTEMS**

Take pictures and make a CD for plant or insect identification.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Collect and laminate plants from a nursery landscape career development event at various stages of growth.
- » Discover the native plants for your ecological area and determine how prevalent they are currently.
- » Create a brochure about common houseplant diseases and how to take care of them.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Weed Scientist

Entomologist

Agriculture Science Teacher



EXPLORATORY

**PLANT SYSTEMS**

Complete a report on 10 food plants that includes origin, uses and cultivation practices.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

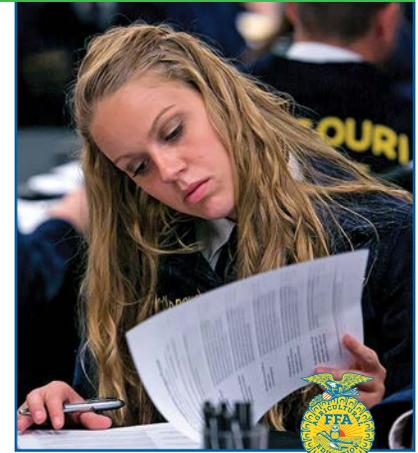
- » Create posters that show foods from raw to finished product.
- » Use the school lab to manage small vegetable crop variety plots.
- » Create hands-on classroom activities.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Agriculture Science Teacher

Agricultural Literacy and Advocacy Specialist

Agronomist



EXPLORATORY

**PLANT SYSTEMS**



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**



RESEARCH

**PLANT SYSTEMS**

## Design, build and sell lawn ornaments.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawn maintenance/mowing service.
- » Start a leaf collection service in the fall and sell mulch in the spring.
- » Create hands-on classroom activities.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Landscape Designer

Welder

Marketing Specialist



OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Build garden sheds for homeowners.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

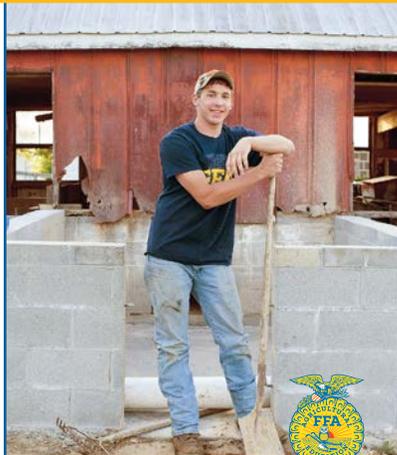
- » Run a custom fence-building and repair business.
- » Complete home- or farmstead-improvement construction activities.
- » Conduct composting workshops for homeowners.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Carpenter/Laborer

Welder

Customer Service Representative



OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Operate a lawnmower service and repair business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawn maintenance/mowing service.
- » Create a teaching model to show how a small gas engine works.
- » Work for a small engine repair shop—overhaul and repair.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Landscape Technician

Maintenance/Service Technician



OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Start a custom spraying service that utilizes GPS.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a field demonstration on GPS systems for elementary students.
- » Map fields, weeds, etc. for producers using GPS and GIS.
- » Study the effects of excessive lawn chemicals on wildlife.

Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Custom Applicator

Aerial Applicator/  
Agricultural Pilot

Precision Agriculture Specialist



OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

Design custom computer programs using Excel or other software to solve problems for producers.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Volunteer to design a website for a local agriculture group.
- » Research the differences among farm management software systems.
- » Provide basic internet and email training to producers to increase their level of confidence in using technology.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

- Information Technology Configurator
- Information Technology Software Developer
- Information Technology Programmer



OWNERSHIP/ENTREPRENEURSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Map fields, weeds, etc. for producers using GPS and GIS.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Conduct a field demonstration on GPS systems for elementary students.
- » Assist with GPS mapping for an agronomic services company.
- » Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

- Precision Agriculture Specialist
- Geospatial Analytics Scientist
- Ecologist



OWNERSHIP/ENTREPRENEURSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Provide basic internet and email training to producers to increase their level of confidence in using technology.



**Is this right for me?**

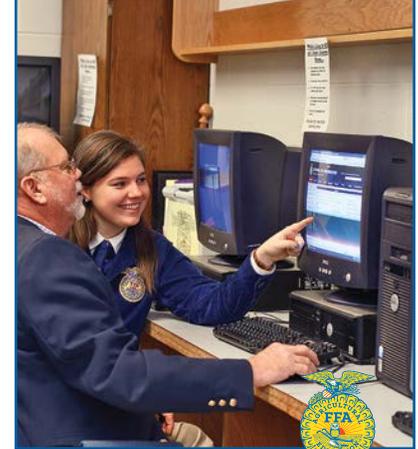
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Volunteer to do website and brochure development for local agricultural businesses.
- » Start a basic computer help service for area agriculture producers.
- » Design custom computer programs using Excel or other software to solve problems for producers.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

- Information Technology Specialist
- Customer Service Representative
- Agriculture Service Teacher



OWNERSHIP/ENTREPRENEURSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Operate a business that computerizes farmers' records.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Research the differences among farm management software systems.
- » Design custom computer programs using Excel or other software to solve problems for producers.
- » Work for a local tax accountant who handles agriculture customers.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

- Agriculture Financial Service Representative
- Accounting Manager
- Information Technology Specialist



OWNERSHIP/ENTREPRENEURSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

## Run a custom fence-building and repair business.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Complete home- or farmstead-improvement construction activities.
- » Build garden sheds for homeowners.
- » Work for an irrigation service company.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Carpenter/Laborer

Maintenance/Service  
Technician

Herdsmen

OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work as a diesel mechanic assistant.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Machine and rebuild engine parts for agricultural equipment.
- » Work as an assistant for an auto, truck or tractor mechanic.
- » Create a teaching model to show how a small gas engine works.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Mechanical Engineer

Maintenance/Service  
Technician

Hydraulic Technician

PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Restore a tractor and sell it or restore a tractor for someone else.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Machine and rebuild engine parts for agricultural equipment.
- » Construct prototypes of hydraulic systems.
- » Work as an assistant for an auto, truck or tractor mechanic.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydraulic Technician

Maintenance/Service  
Technician

Mechanical Engineer

OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work for an irrigation service company.

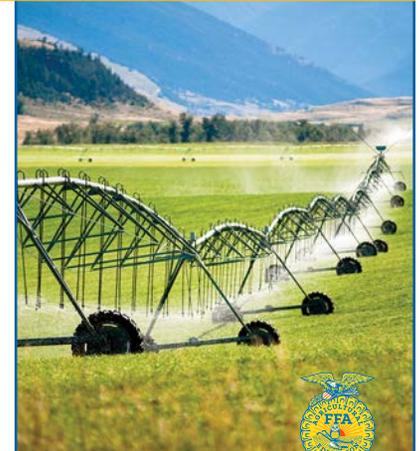


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the water savings accomplished by new irrigation technologies.
- » Own and operate a water system farm drainage (tilling) company.
- » Research the cost-versus-return of automating systems in an agricultural processing facility.



Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist

Customer Service  
Representative

Hydrologist

PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Assist with GPS mapping for an agronomic services company.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Conduct a field demonstration on GPS systems for elementary students.
- » Start a custom spraying service that utilizes GPS.
- » Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Precision Agriculture Specialist

Geospatial Analytics Scientist

Ecologist



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

### Work as an assistant for an auto, truck or tractor mechanic.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawnmower service and repair business.
- » Restore a tractor and sell it or restore a tractor for someone else.
- » Machine and rebuild engine parts for agricultural equipment.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Hydraulic Technician

Maintenance/Service Technician

Mechanical Engineer



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work in a welding shop.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Test the strength of different types of welds.
- » Design, build and sell lawn ornaments.
- » Create a demonstration model that shows proper and improper welding techniques.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Welder

Agriculture Science Teacher

Customer Service Representative



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

### Work for a local electrician in agricultural settings.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

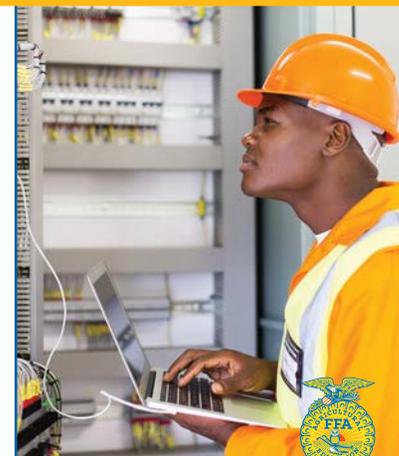
- » Wire agricultural buildings for lights and receptacles.
- » Research the energy use of different types of lighting systems in farm buildings.
- » Create hands-on classroom activities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Electrical Engineer

Electrician/Electronics Technician

Automation Technician/Coordinator



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

Pour concrete forms for machine sheds or other agricultural buildings.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Work for a local cement company that installs agricultural applications.
- » Complete home- or farmstead-improvement construction activities.
- » Create hands-on classroom activities.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Truck Driver | Hydraulic Technician | Carpenter/Laborer



PLACEMENT/INTERNSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Wire agricultural buildings for lights and receptacles.



**Is this right for me?**

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Work for a local electrician in agricultural settings.
- » Research the energy use of different types of lighting systems in farm buildings.
- » Create hands-on classroom activities.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Electrical Engineer | Electrician/Electronics Technician | Automation Technician/Coordinator



PLACEMENT/INTERNSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Work on plumbing waste systems and air and water systems in agricultural settings.



**Is this right for me?**

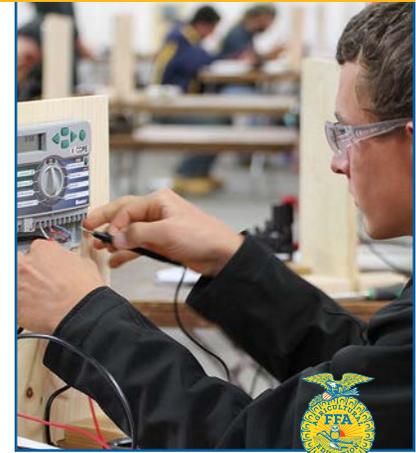
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Study pollution control practices.
- » Work for a plumbing business in an agricultural setting.
- » Work as a trencher for waste-water lagoons.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Maintenance/Service Technician | Occupational Health and Safety Manager | Sanitation Coordinator



PLACEMENT/INTERNSHIP

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

Provide maintenance for school shop equipment.



**Is this right for me?**

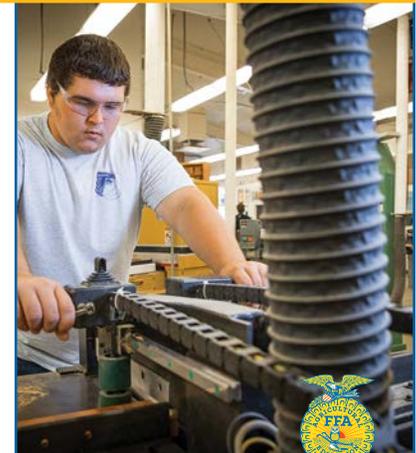
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

**Where could I take this project?**

- » Manage the steel inventory in the agriculture shop.
- » Create a teaching model to show how a small gas engine works.
- » Create a demonstration model that shows proper and improper welding techniques.

**Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):**

Agriculture Science Teacher | Maintenance/Service Technician | Hydraulic Technician



SCHOOL-BASED ENTERPRISE

**POWER, STRUCTURAL & TECHNICAL SYSTEMS**

## Manage the steel inventory in the agriculture shop.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

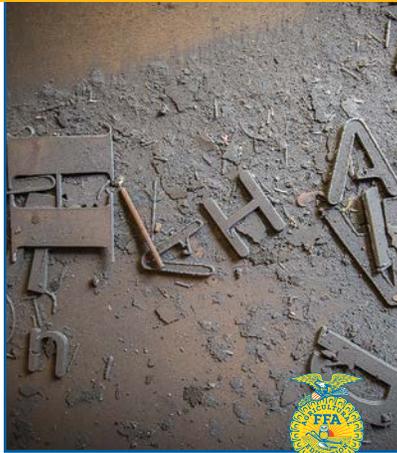
- » Test the strength of different types of welds.
- » Create a teaching model to show how a small gas engine works.
- » Create a demonstration model that shows proper and improper welding techniques.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Inventory/Stock Specialist

Warehouse/Facility  
Manager



SCHOOL-BASED ENTERPRISE

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work for a small engine repair shop—overhaul and repair.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Operate a lawnmower service and repair business.
- » Create a teaching model to show how a small gas engine works.
- » Machine and rebuild engine parts for agricultural equipment.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Maintenance/Service  
Technician

Mechanical Engineer

Welder



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Machine and rebuild engine parts for agricultural equipment.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a teaching model to show how a small gas engine works.
- » Operate a lawnmower service and repair business.
- » Construct prototypes of hydraulic systems.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Maintenance/Service  
Technician

Mechanical Engineer

Welder



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work with county soil and water engineers—assist in measuring and engineer design.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the water savings accomplished by new irrigation technologies.
- » Assist landowners with the installation of soil conservation practices.
- » Research the adoption of technology by agriculture producers in your area.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Environmental Engineer

Soil Scientist

Irrigation Specialist



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work as a surveyor's assistant.



### Is this right for me?

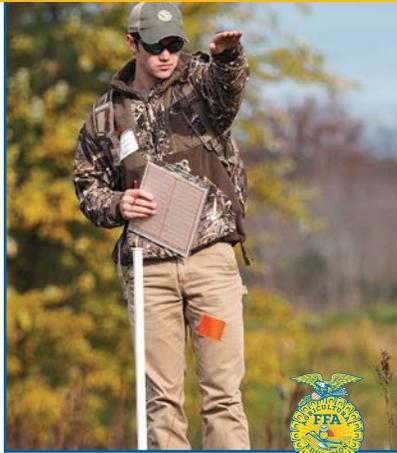
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Map fields, weeds, etc. for producers using GPS and GIS.
- » Work with county soil and water engineers - assist in measuring and engineer design.
- » Study soil profiles from multiple locations in your community and develop a soil map.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Conservationist | Environmental Engineer | Environmental Compliance Officer



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work for a local university in the area of robotics in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview area agriculture producers about the changes in technology over the past 50 years.
- » Study the latest advancements of robotics in agriculture.
- » Research the biggest challenges producers face when adopting new technology.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

College Recruiter | Mechanical Engineer | Automation Technician/Coordinator



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Work for a plumbing business in an agricultural setting.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work on plumbing waste systems and air and water systems in agricultural settings.
- » Complete home- or farmstead-improvement construction activities.
- » Create hands-on classroom activities.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Sanitation Coordinator | Water Treatment Technician | Environmental Engineer



PLACEMENT/INTERNSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Complete home- or farmstead-improvement construction activities.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design, build and sell lawn ornaments.
- » Run a custom fence-building and repair business.
- » Work to establish a community vegetable garden.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Customer Service Representative | Electrician/Electronics Technician | Welder



EXPLORATORY

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Construct prototypes of hydraulic systems.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Restore a tractor and sell it or restore a tractor for someone else.
- » Work as a diesel mechanic assistant.
- » Machine and rebuild engine parts for agricultural equipment.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Wind Substation  
Technician

Mechanical Engineer

Hydraulic Technician



EXPLORATORY

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Report on all of the control systems used in a typical greenhouse.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Plan plant-related activities and laboratories for your class.
- » Discover the best types of artificial lights for plant growth.
- » Study the change in input costs over time for a given agricultural business.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Production Manager

Automation Technician/  
Coordinator

Greenhouse Manager



EXPLORATORY

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Interview area agriculture producers about the changes in technology over the past 50 years.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

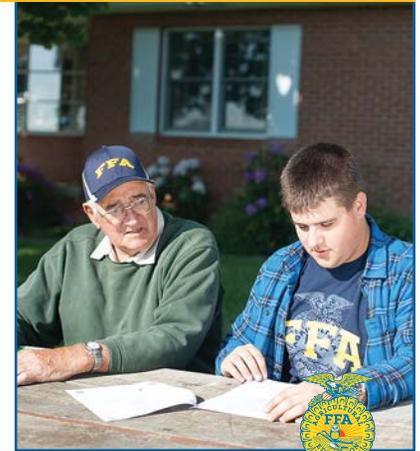
- » Research the biggest challenges producers face when adopting new technology.
- » Research the adoption of technology by agriculture producers in your area.
- » Create and produce a weekly television or radio show about FFA and agriculture.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science  
Teacher

Agriculture Journalist

Research and  
Development Manager



EXPLORATORY

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Shadow a computer professional in any agriculture-related industry.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

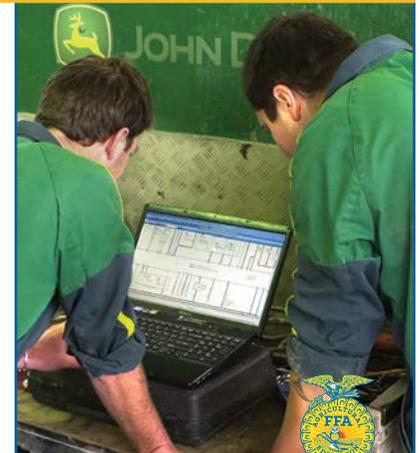
- » Design custom computer programs using Excel or other software to solve problems for producers.
- » Provide basic internet and email training to producers to increase their level of confidence in using technology.
- » Volunteer to design a website for a local agriculture group.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Information Technology  
Specialist

Information Technology  
Analyst

Information Technology  
Programmer



EXPLORATORY

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the adoption of technology by agriculture producers in your area.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the biggest challenges producers face when adopting new technology.
- » Study the latest advancements of robotics in agriculture.
- » Hold a classroom demonstration on automated systems.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Automation Technician/Coordinator | Research Associate | Agricultural Literacy and Advocacy Specialist



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Test the strength of different types of welds.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Create a demonstration model that shows proper and improper welding techniques.
- » Work in a welding shop.
- » Design, build and sell lawn ornaments.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Welder | Research Associate



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the differences among farm management software systems.



### Is this right for me?

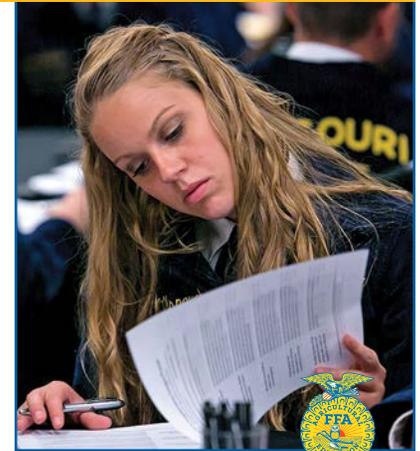
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Design custom computer programs using Excel or other software to solve problems for producers.
- » Provide basic internet and email training to producers to increase their level of confidence in using technology.
- » Volunteer to do website and brochure development for local agricultural businesses.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Information Technology Software Developer | Information Technology Specialist | Information Technology Analyst



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the cost-versus-return of automating systems in an agricultural processing facility.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Hold a classroom demonstration on automated systems.
- » Work for a local university in the area of robotics in agriculture.
- » Study the change in input costs over time for a given agricultural business.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Automation Technician/Coordinator | Chief Financial Officer | Process/Continuous Improvement Manager



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Study the latest advancements of robotics in agriculture.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the cost-versus-return of automating systems in an agricultural processing facility.
- » Research the biggest challenges producers face when adopting new technology.
- » Work for a local university in the area of robotics in agriculture.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Automation Technician/Coordinator | Agriculture Science Teacher | Process/Continuous Improvement Manager



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the water savings accomplished by new irrigation technologies.



### Is this right for me?

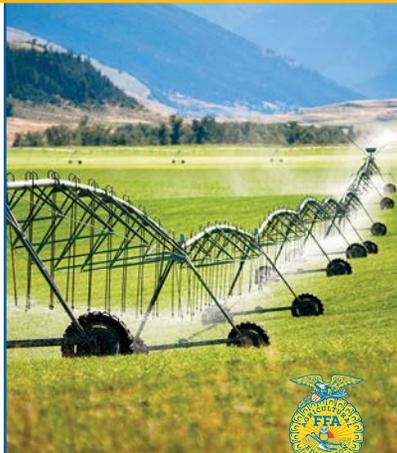
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for an irrigation service provider.
- » Work for a company that installs plastic drainage tile for farm fields.
- » Own and operate a water system farm drainage (tilling) company.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Irrigation Specialist | Extension Faculty | Automation Technician/Coordinator



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the energy use of different types of lighting systems in farm buildings.



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Work for a local electrician in agricultural settings.
- » Create hands-on classroom activities.
- » Wire agricultural buildings for lights and receptacles.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Electrical Engineer | Electrician/Electronics Technician | Animal Caretaker/Operations Manager



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Research the biggest challenges producers face when adopting new technology.



### Is this right for me?

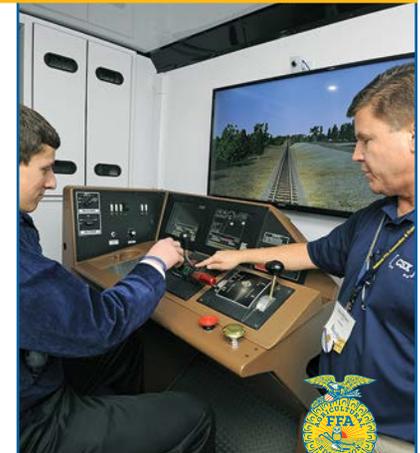
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Interview area agriculture producers about the changes in technology over the past 50 years.
- » Research the adoption of technology by agriculture producers in your area.
- » Hold a classroom demonstration on automated systems.

### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher | Extension Faculty | Automation Technician/Coordinator



RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Compare and contrast the different styles of tillage equipment.

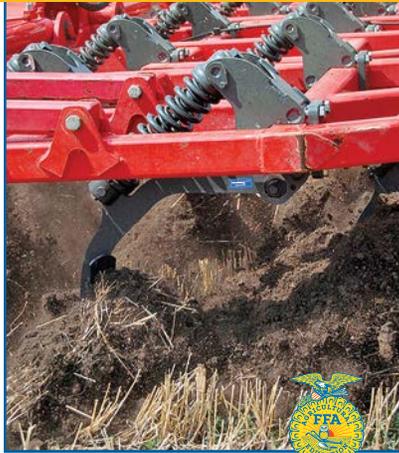


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research the effects of erosion on various cover crops.
- » Operate a custom combining service.
- » Work with a county soil scientist to map soils.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agriculture Science Teacher

Heavy Equipment Operator/Forklift Operator

Agricultural Literacy and Advocacy Specialist

RESEARCH

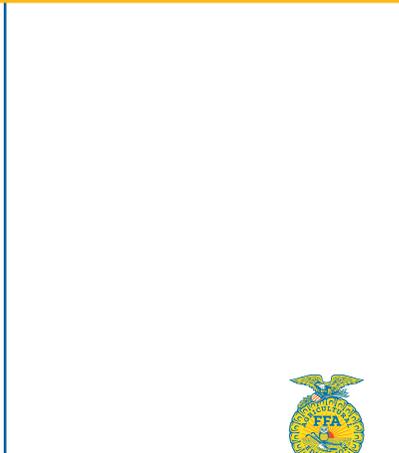
## POWER, STRUCTURAL & TECHNICAL SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

OWNERSHIP/ENTREPRENEURSHIP

## POWER, STRUCTURAL & TECHNICAL SYSTEMS

## Study the possible modifications in agricultural equipment for persons with disabilities.

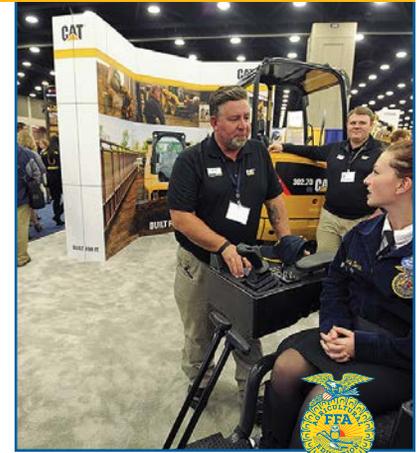


### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?

- » Research methods for preventing common accidents in an agriculture department laboratory.
- » Research the rate of accidents on area farms and compare to national averages.
- » Research the cost-versus-return of automating systems in an agricultural processing facility.



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

Agricultural Lobbyist

Process/Continuous Improvement Manager

Human Resources Manager

RESEARCH

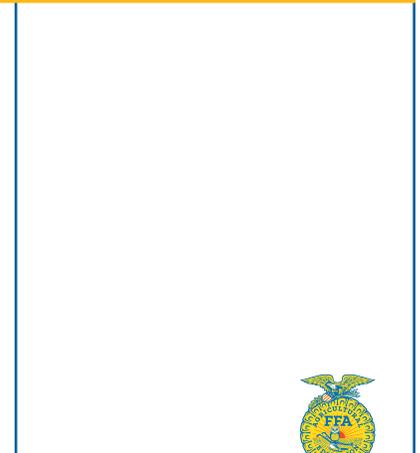
## POWER, STRUCTURAL & TECHNICAL SYSTEMS



### Is this right for me?

- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

### Where could I take this project?



### Future Careers (visit [AgExplorer.com](http://AgExplorer.com)):

RESEARCH

## POWER, STRUCTURAL & TECHNICAL SYSTEMS