

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?

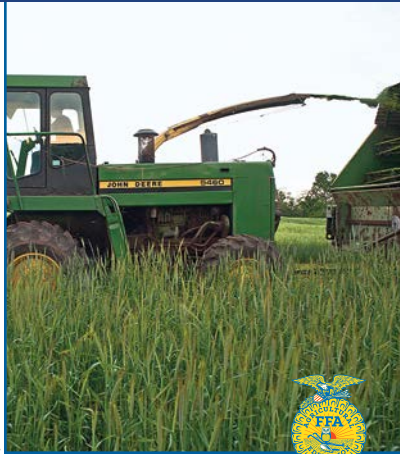
- » Operate a hay-hauling service.
- » Operate a custom spraying service.
- » Map fields, weeds, etc. for producers using GPS and GIS.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Truck Driver

Precision Agriculture
Specialist

Shipping Coordinator



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.FFA.org):

Customer Service
Representative

Sales Representative: Food,
Feed, Seed, Fuel

Food Safety/Quality
Assurance Manager



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?

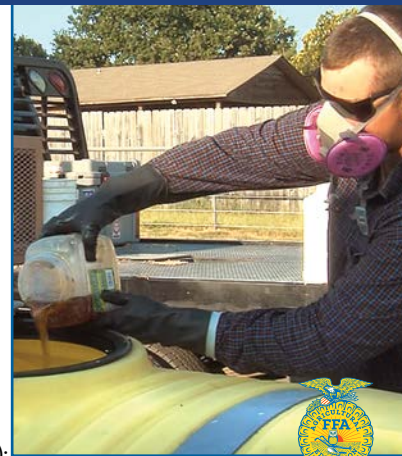
- » Map fields, weeds, etc. for producers using GPS and GIS.
- » Start a service to collect used pesticide containers.
- » Conduct a local water quality study.

Future Careers (visit AgExplorer.FFA.org):

Custom Applicator

Precision Agriculture
Specialist

Aerial Applicator/
Agricultural Pilot



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.FFA.org):

Warehouse/Facility
Manager

Dispatcher

Heavy Equipment
Operator/Forklift Operator



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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

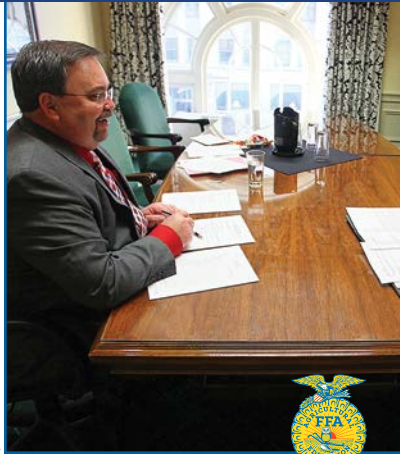
- » Research cost of production in your area compared to other areas of your state/country.
- » Shadow an agriculture banker or loan officer.
- » Each week, find two articles about the economics of agriculture.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

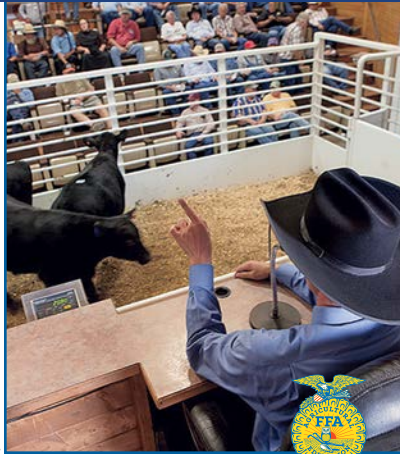
- » Manage a livestock show and supplies for your FFA chapter.
- » Work at a livestock farm or a ranch.
- » Staff FFA displays that have farm animals at county and state fairs.

Future Careers (visit AgExplorer.FFA.org):

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?

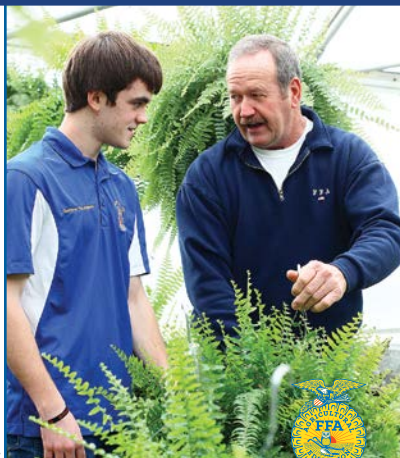
- » Take inventory of and categorize all agriculture-related businesses in the community.
- » Start a weekly price-reporting service to publish in a newsletter.
- » Work at a nursery.

Future Careers (visit AgExplorer.FFA.org):

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?

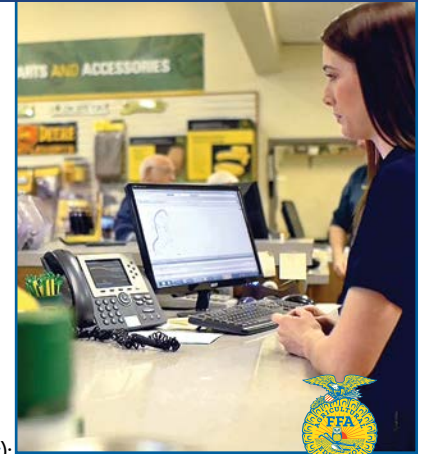
- » Work for an agricultural marketing services company.
- » Research the best turf grass varieties for your area.
- » Research the effects of erosion on various cover crops.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

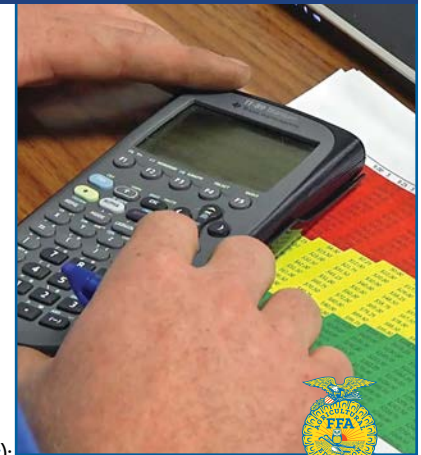
- » Research the changes in buying habits among farmers over time.
- » Research the water savings accomplished by new irrigation technologies.
- » Work for a local tax accountant who handles agriculture customers.

Future Careers (visit AgExplorer.FFA.org):

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?

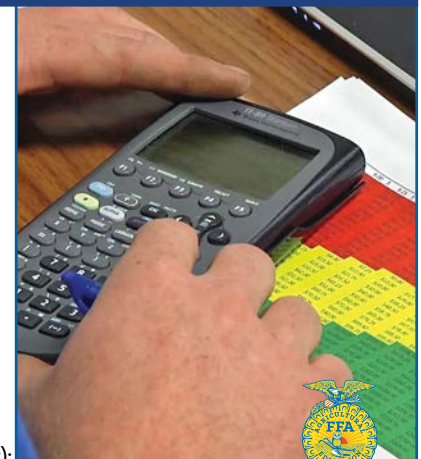
- » Work as an intern for the local agriculture department.
- » Each week, find two articles about the economics of agriculture.
- » Work for a local tax accountant who handles agriculture customers.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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?

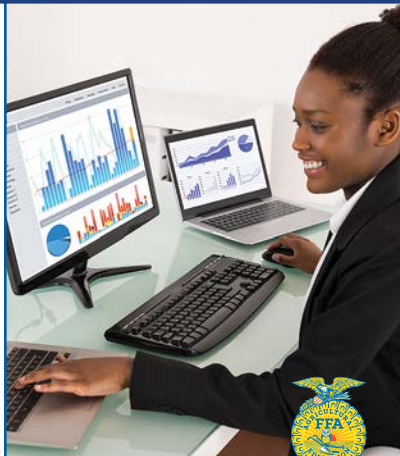
- » Each week, find two articles about the economics of agriculture.
- » Research cost of production in your area compared to other areas of your state/ country.
- » Create podcasts about agricultural issues.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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?

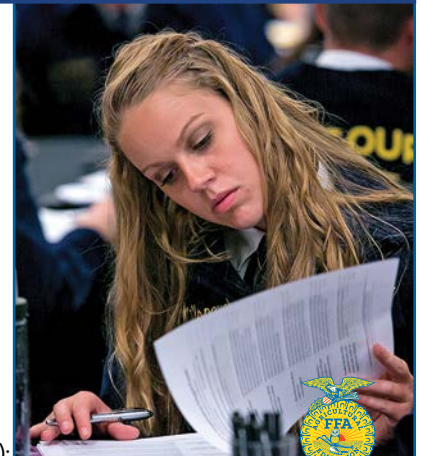
- » Research cost of production in your area compared to other areas of your state/ country.
- » Shadow an agriculture banker or loan officer.
- » Produce a weekly column about agricultural issues for a newspaper.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):



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.FFA.org):



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.FFA.org):



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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Extension Faculty

College/University
Professor



PLACEMENT/INTERNSHIP

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.FFA.org):

Marketing Specialist

Agricultural Literacy and
Advocacy Specialist

Food Stylist



EXPLORATORY

AGRICULTURAL COMMUNICATIONS AND EDUCATION

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.FFA.org):

Extension Agent

Marketing Specialist

Agriculture Science
Teacher



EXPLORATORY

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?

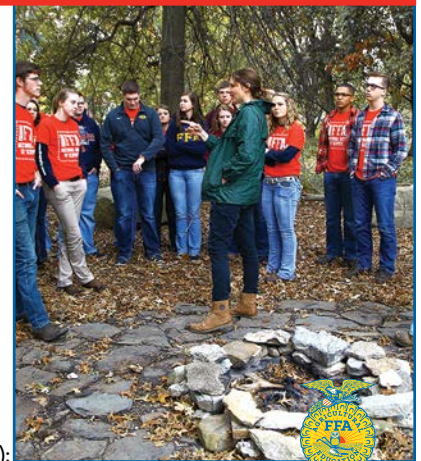
- » Research your local parks to find out what activities people like and use the most.
- » Work for the natural resources and conservation district.
- » Work for a nature center.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science Teacher

Agricultural Literacy and Advocacy Specialist

College/University Professor



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?

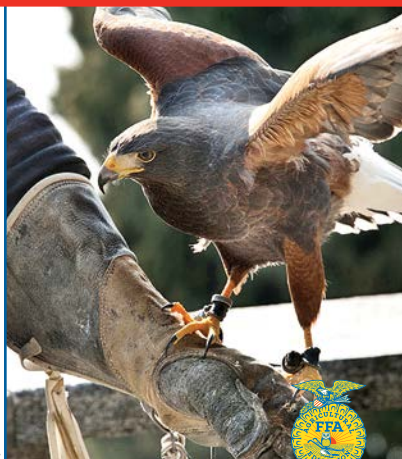
- » Work for a park service during the summer.
- » Shadow officials at a government natural resources agency.
- » Work for the fish and game department.

Future Careers (visit AgExplorer.FFA.org):

Event Manager

Agriculture Science Teacher

Game Warden



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.FFA.org):

Fisheries Technician

Aquaculture Hatchery Manager

Game Warden



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.FFA.org):

Agriculture Science Teacher

Event Manager

Extension Agent



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.FFA.org):

Conservationist

Soil Scientist

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.FFA.org):

Horticulturist

Extension Agent

Greenhouse Manager



EXPLORATORY

AGRICULTURAL COMMUNICATIONS AND EDUCATION

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.FFA.org):

Restoration Specialist

Environmental Compliance Officer

Extension Agent



EXPLORATORY

AGRICULTURAL COMMUNICATIONS AND EDUCATION

Start a basic computer help service for area agriculture 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?

- » 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.FFA.org):

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.FFA.org):

Brand Manager

Graphic Design Artist

Human Resources Generalist



OWNERSHIP/ENTREPRENEURSHIP

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.FFA.org):

Agriculture Science Teacher

Research and Development Technician

Automation Technician/Coordinator



EXPLORATORY

AGRICULTURAL COMMUNICATIONS AND EDUCATION

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?

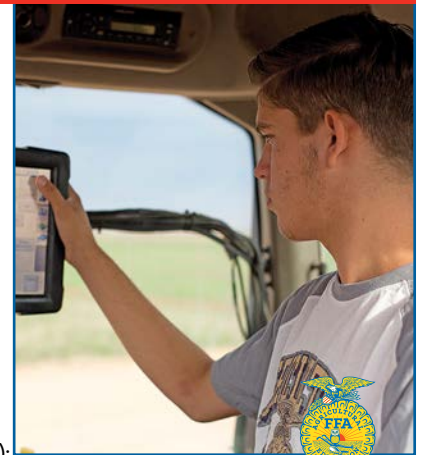
- » Assist with GPS mapping for an agronomic services company.
- » Prepare a 10-minute presentation on GIS mapping for forestry, wildlife, soil and water management.
- » Start a custom spraying service that utilizes GPS.

Future Careers (visit AgExplorer.FFA.org):

Agriculture Science Teacher

Geospatial Analytics Scientist

Precision Agriculture Specialist



EXPLORATORY

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

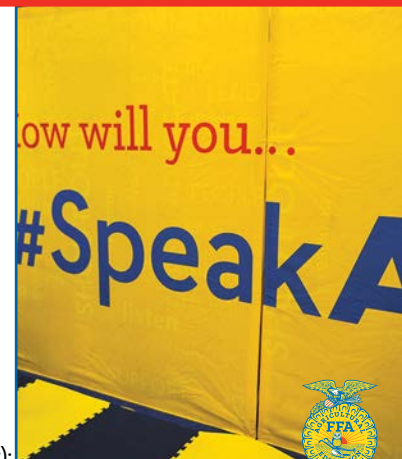
- » Work as an intern for the local agriculture department.
- » Create and produce a weekly television or radio show about FFA and agriculture.
- » Interview area agriculture producers about the changes in technology over the past 50 years.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

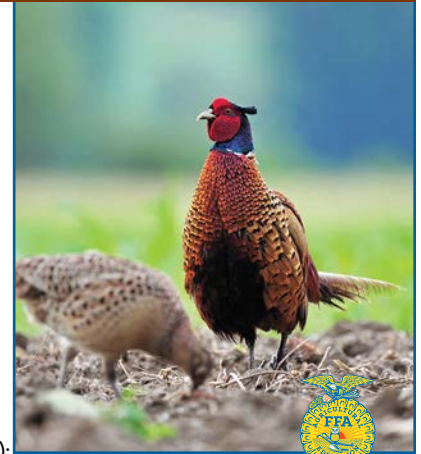
- » Raise wild game fowl for sale to local hunters.
- » Develop hunting ranges; set up indoor/outdoor ranges for bow competitions.
- » Work as a wildlife outfitter or guide.

Future Careers (visit AgExplorer.FFA.org):

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?

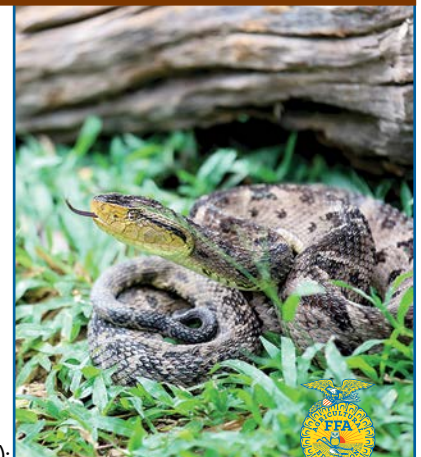
- » Work on an exotic animal farm.
- » Work for a landowner to plant habitat for wild game.
- » Habitat construction—make brush piles, a plant wildlife habitat, etc.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

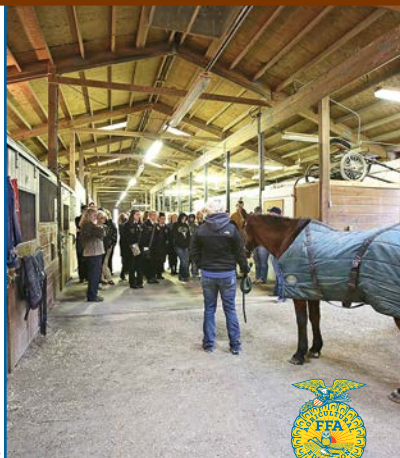
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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?

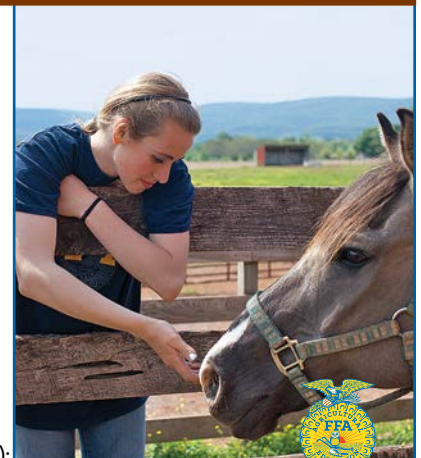
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org](https://www.agexplorer.org)):

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.FFA.org](https://www.agexplorer.org)):

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.FFA.org](https://www.agexplorer.org)):

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?

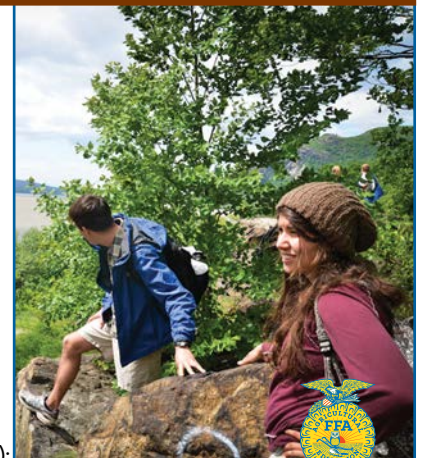
- » Serve as a hunting guide.
- » Plan a wildlife field trip.
- » Assist local city management with summer programs by serving as guides.

Future Careers (visit [AgExplorer.FFA.org](https://www.agexplorer.org)):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Ranch Manager | Penrider | Livestock Loader



PLACEMENT/INTERNSHIP

ANIMAL SYSTEMS

Work at the local livestock auction barn.



Is this right for me?

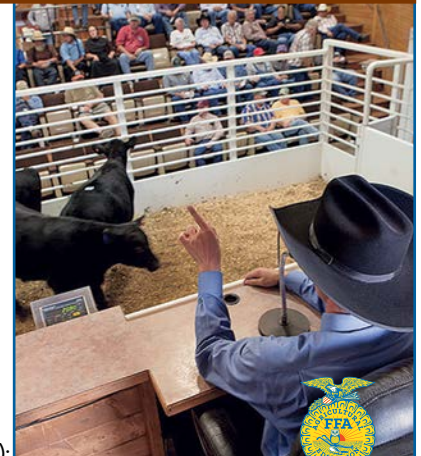
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

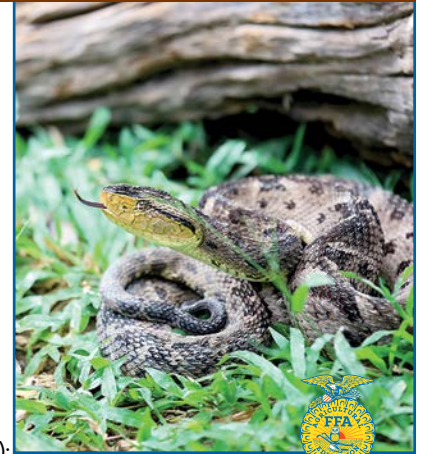
- » Research methods of predator control and trapping.
- » Run a trapping business.
- » Conduct surveys of wildlife populations.

Future Careers (visit AgExplorer.FFA.org):

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?

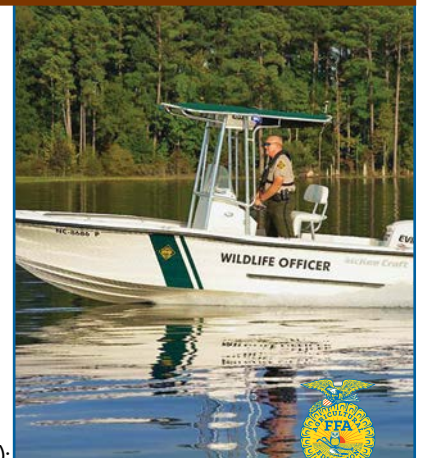
- » Shadow officials at a government natural resources agency.
- » Research the effectiveness of habitat restoration projects in your community.
- » Raise indigenous snakes and release them into the wild (in an approved area) each summer.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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?

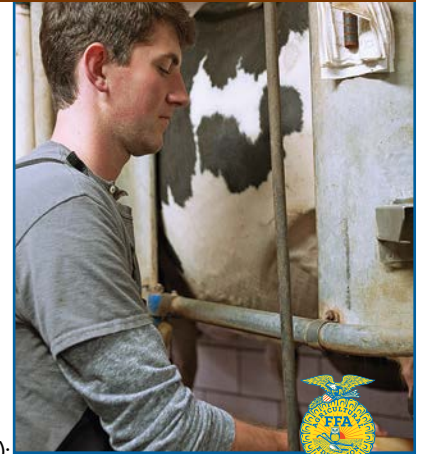
- » Research the effectiveness of various estrus synchronization hormones.
- » Study the effects of genetic selection in groups of animals over time.
- » Operate a custom heifer-raising service.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Reproductive or Nutritional Specialist | Breeding/Multiplication Manager | Embryologist

RESEARCH

ANIMAL SYSTEMS

Research methods of predator control and trapping.

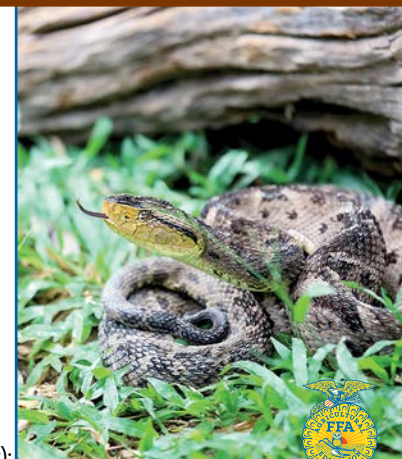


Is this right for me?

- » 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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.

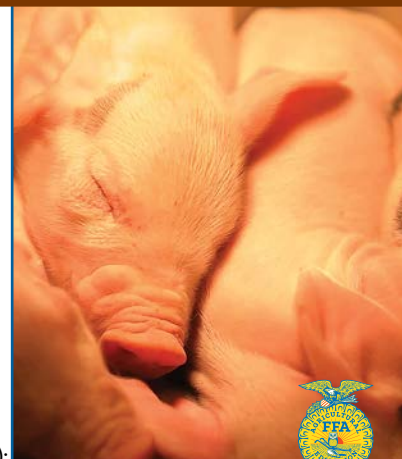


Is this right for me?

- » 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.FFA.org):

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.FFA.org):

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.FFA.org):

Game Warden | Zoologist | Bioinformatics Scientist



RESEARCH

ANIMAL SYSTEMS

Conduct a survey of all livestock operations in your area.



Is this right for me?

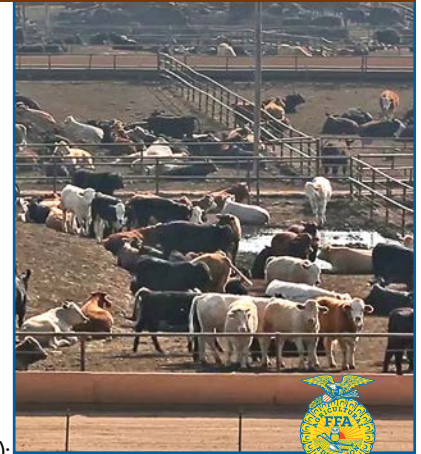
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

Process/Continuous Improvement Manager | Ranch Manager | Agricultural Lobbyist



RESEARCH

ANIMAL SYSTEMS

Coordinate and conduct a horse safety camp.



Is this right for me?

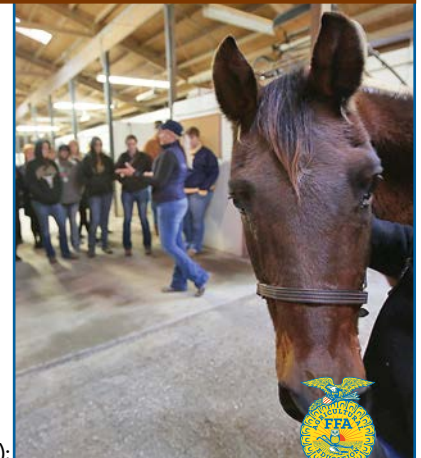
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

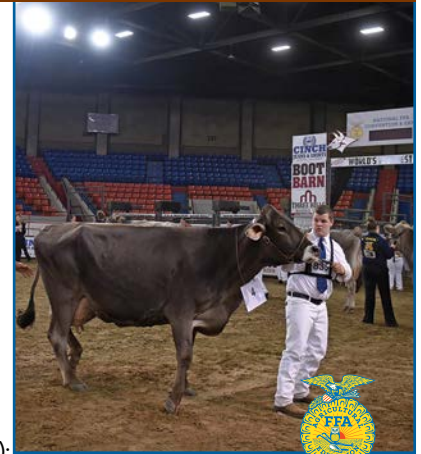
- » Volunteer to assist with a livestock show or county fair.
- » Work at the local livestock auction barn.
- » Staff FFA displays that have farm animals at county and state fairs.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

Animal Physical Therapist

Human Resources
Manager

Public Relations Manager



EXPLORATORY

ANIMAL SYSTEMS

Volunteer to assist with a livestock show or county fair.



SCHOOL-BASED ENTERPRISE

Is this right for me?

- » Would I 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.FFA.org):

Agriculture Science
Teacher

Livestock Loader

Livestock Auctioneer

ANIMAL SYSTEMS



PLACEMENT/INTERNSHIP

Is this right for me?

- » Would I 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.FFA.org):



ANIMAL SYSTEMS



OWNERSHIP/ENTREPRENEURSHIP

Is this right for me?

- » Would I 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.FFA.org):



ANIMAL SYSTEMS



PLACEMENT/INTERNSHIP

Is this right for me?

- » Would I 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.FFA.org):



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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

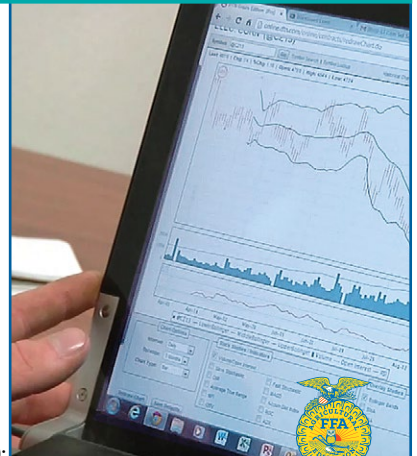
- » Evaluate the scope and implications of regulatory agencies on applications of biotechnology in agriculture and the protection of public interests.
- » Work as an intern for the local agriculture department.
- » Work for the natural resources and conservation district.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):



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.FFA.org):



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.FFA.org):



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.FFA.org):

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.FFA.org):

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?

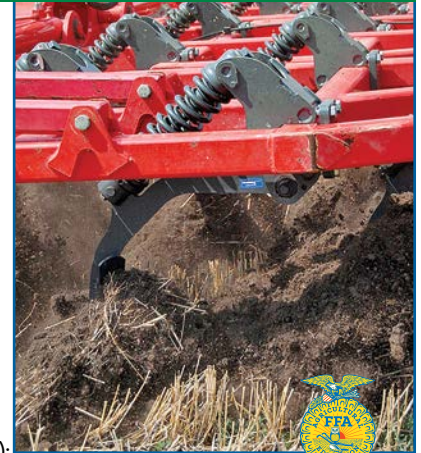
- » Work with county soil and water engineers; assist in measuring and engineer design.
- » Work for an irrigation service company.
- » Research the water savings accomplished by new irrigation technologies.

Future Careers (visit AgExplorer.FFA.org):

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?

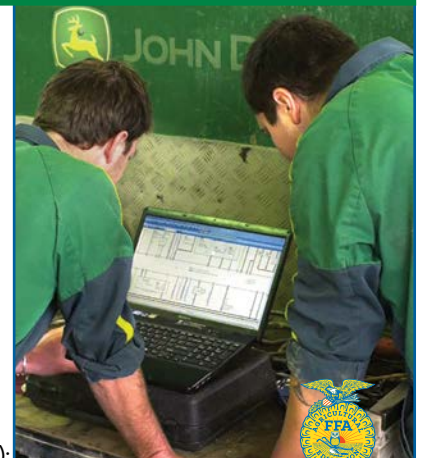
- » Lead a farm safety program for elementary students.
- » Be a sales associate at a garden or farm supply store.
- » Research methods for preventing common accidents in an agriculture department laboratory.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

Restoration Specialist

Hydrologist

Aquaculturist



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.FFA.org):

Sales Trainer

Occupational Health and
Safety Manager

Human Resources
Manager



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.FFA.org):

Soil Scientist

Environmental Scientist
and Specialist

Agronomist



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.FFA.org):

Hydrologist

Water Treatment
Technician

Environmental Science and
Protection Technician



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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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



PLACEMENT/INTERNSHIP

ENVIRONMENTAL SERVICE SYSTEMS

Develop marshlands for game.



Is this right for me?

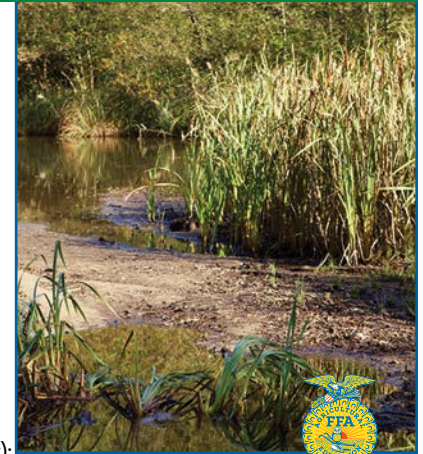
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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?

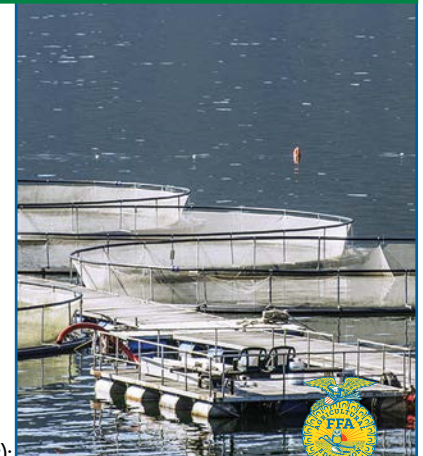
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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?

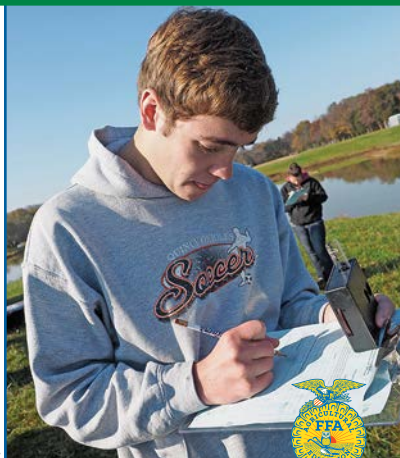
- » Start a water sample-collecting service.
- » Collect water samples for local or state agencies.
- » Test the drought tolerance of different types of fruits and/or vegetables.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

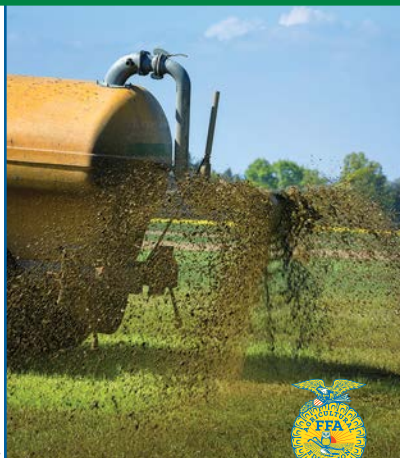
- » Start a manure-removal business for acreage owners.
- » Operate a poultry litter clean-out service.
- » Work as a trencher for waste-water lagoons.

Future Careers (visit AgExplorer.FFA.org):

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?

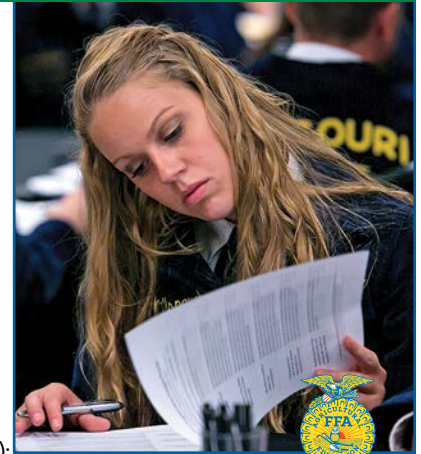
- » Lead a farm safety program for elementary students.
- » Research methods for preventing common accidents in an agriculture department laboratory.
- » Develop and implement a farm safety class for elementary students.

Future Careers (visit AgExplorer.FFA.org):

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?

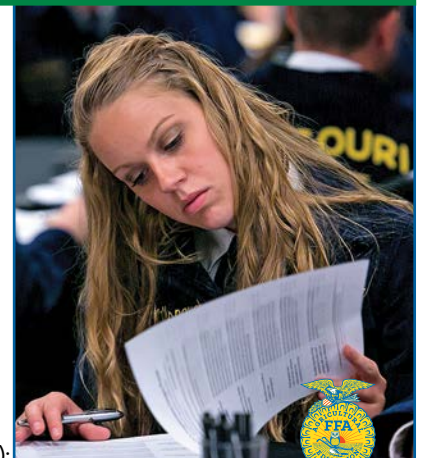
- » Lead a farm safety program for elementary students.
- » Research the rate of accidents on area farms and compare to national averages.
- » Develop and implement a farm safety class for elementary students.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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?

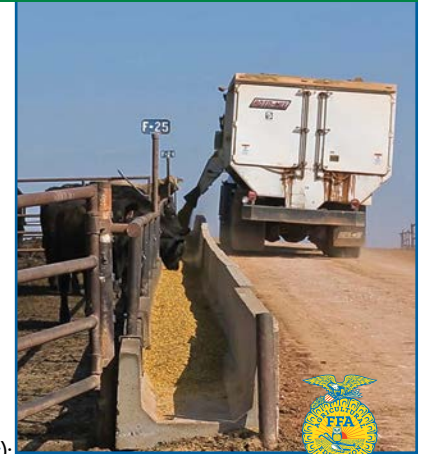
- » Study animal waste legislation at local, state and federal levels.
- » Start a manure-removal business for acreage owners.
- » Research feed trials testing different swine diets.

Future Careers (visit AgExplorer.FFA.org):

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?

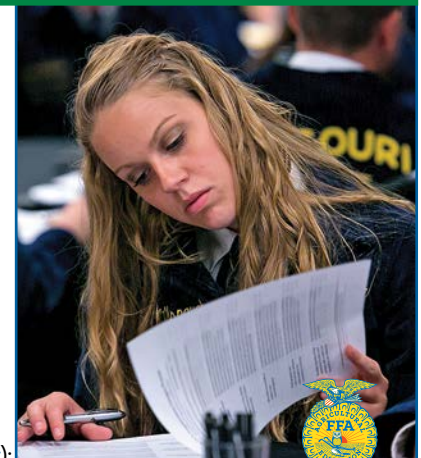
- » Compare and contrast the different styles of tillage equipment.
- » Assist landowners with the installation of soil conservation practices.
- » Create posters on soil conservation practices for homeowners.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

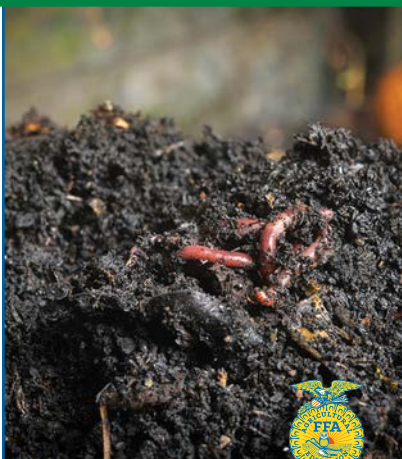
- » Develop a plan to manage school food waste.
- » Create an ad promotion for local food products on your chapter website.
- » Build and maintain the compost units at the school.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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?

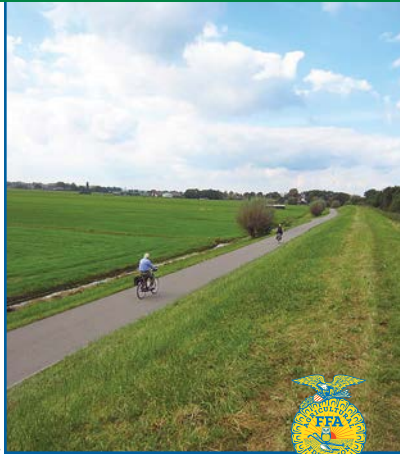
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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?

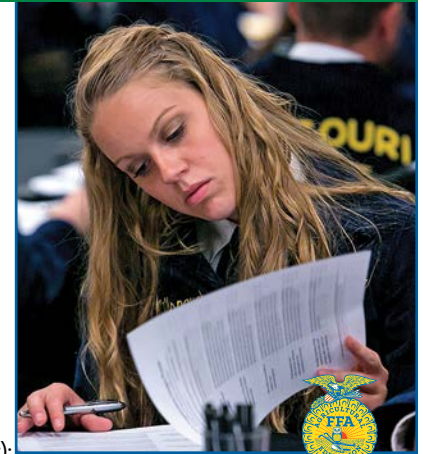
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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?

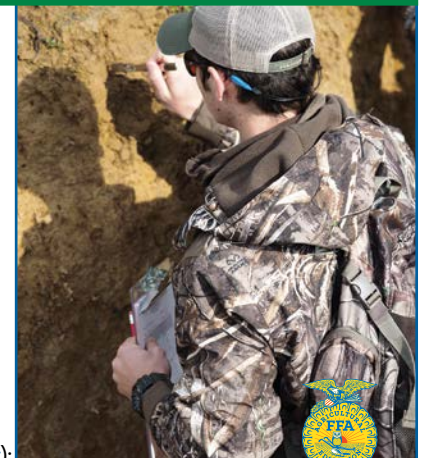
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

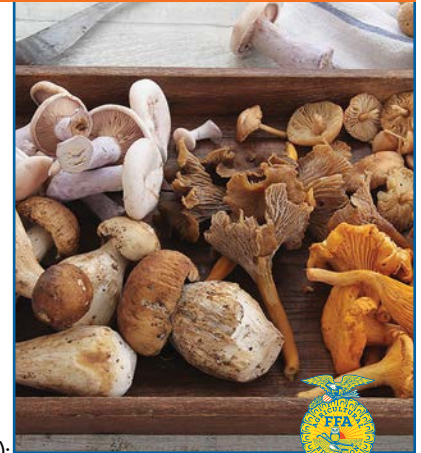
- » Help at a local fruit/vegetable stand.
- » Present a food safety demonstration to elementary students.
- » Discover the native plants for your ecological area and determine how prevalent they are currently.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

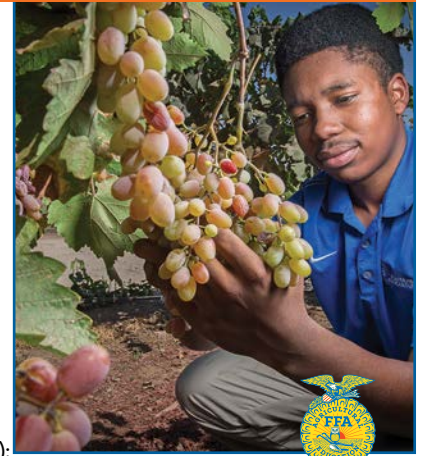
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

Agronomist | Greenhouse Manager | Crop Scout



PLACEMENT/INTERNSHIP

FOOD PRODUCTS & PROCESSING SYSTEMS

Help at a local fruit/vegetable stand.



Is this right for me?

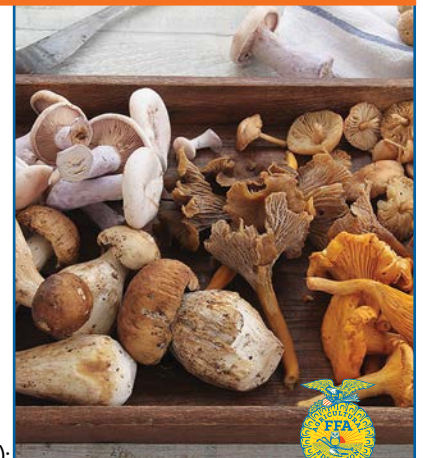
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Marketing Specialist | Graphic Designer | Social Media Strategist

RESEARCH

FOOD PRODUCTS & PROCESSING SYSTEMS

Research the development and use of edible soybeans.

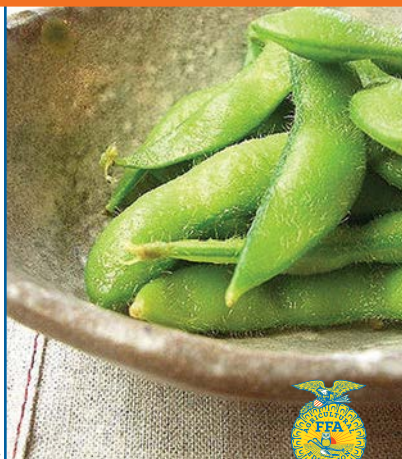


Is this right for me?

- » 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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

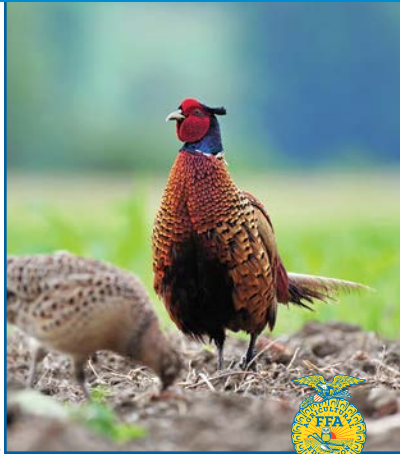
- » Raise game birds to sell for the training of bird dogs.
- » Build bat, bird, duck or squirrel houses for use or sale.
- » Process wild game for jerky.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

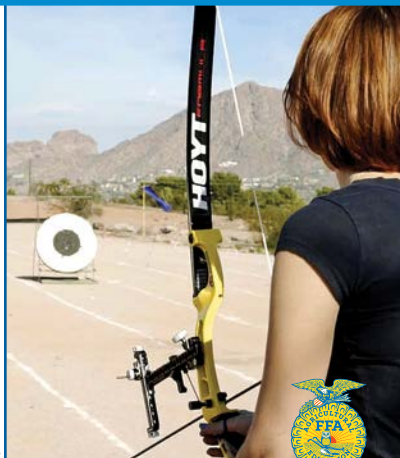
- » Serve as a hunting guide.
- » Organize and participate in a wildlife field day.
- » Maintain and supervise the school prairie or grounds.

Future Careers (visit AgExplorer.FFA.org):

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?

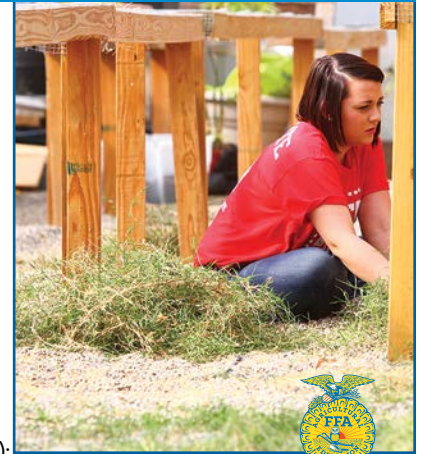
- » Construct and sell game feeders.
- » Conduct surveys of wildlife populations.
- » Work for a nature center.

Future Careers (visit AgExplorer.FFA.org):

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?

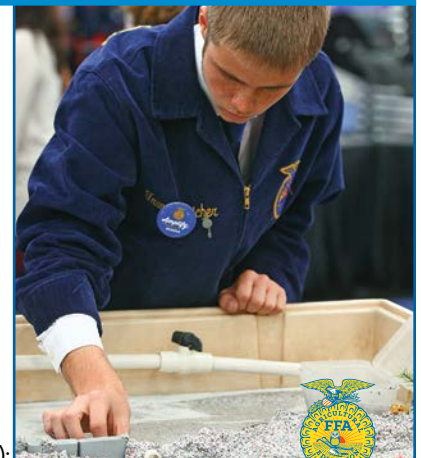
- » Assist a timber stand improvement specialist.
- » Work for parks and recreation in the maintenance department.
- » Provide forestry walk-through tours for elementary students.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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?

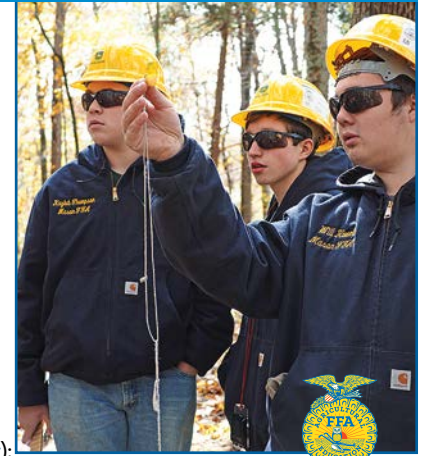
- » Work at a sawmill.
- » Cut firewood and sell at local stores.
- » Provide a wood-chipping service and sell the chips as mulch.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Restoration Specialist

Extension Agent



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?

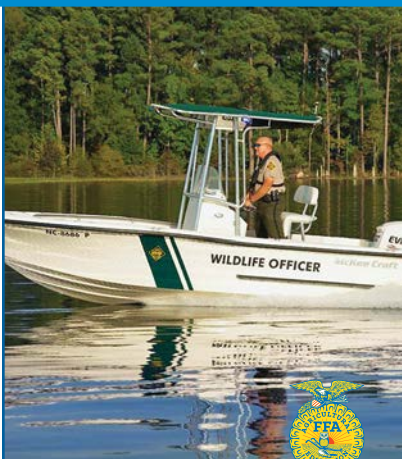
- » Volunteer to assist with cleanup and maintenance at campgrounds.
- » Clean shelterbelts and stack refuse in piles.
- » Research your local parks to find out what activities people like and use the most.

Future Careers (visit AgExplorer.FFA.org):

Conservation Officer

Conservationist

Game Warden



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.FFA.org):

Logger

Forester

Carpenter/Laborer



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.FFA.org):

Conservation Officer

Restoration Specialist

Customer Service
Representative



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.FFA.org):

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?

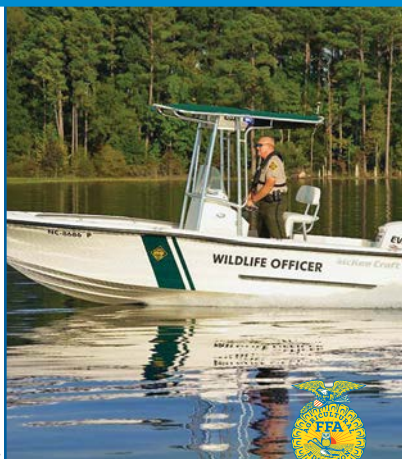
- » Conduct surveys of wildlife populations.
- » Provide outdoor education material at camps.
- » Contract with landowners to plant food plots for wildlife.

Future Careers (visit AgExplorer.FFA.org):

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?

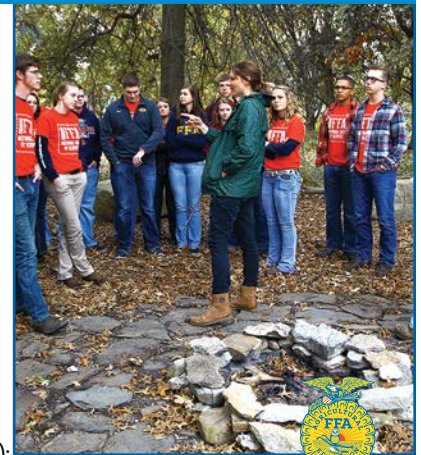
- » Provide outdoor education material at camps.
- » Put together a town safety package; mark all signs, fire hydrants and water drains.
- » Develop habitat trails for walking.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

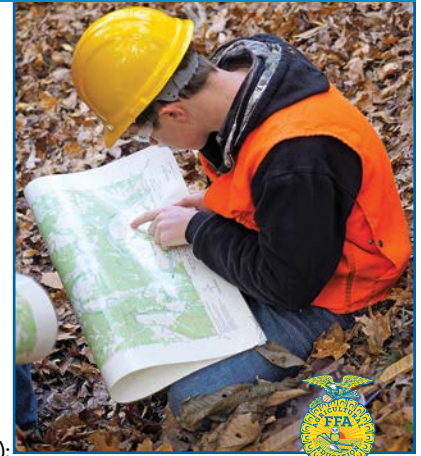
- » Conduct a timber cruise and mark timber to be thinned.
- » Manage and improve woodlot areas including firewood, habitat, etc.
- » Research the effectiveness of habitat restoration projects in your community.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Plant Scientist/Field
Agronomist

Agricultural Literacy and
Advocacy Specialist



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.FFA.org):

Sanitation Coordinator

Conservationist

Occupational Health and
Safety Manager



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.FFA.org):

Sanitation Coordinator

Environmental Science and
Protection Technician

Conservationist



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.FFA.org):

Fisheries Technician

Extension Agent

Restoration Specialist



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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Restoration Specialist

Conservationist

Conservation Officer



RESEARCH

NATURAL RESOURCES SYSTEMS

Study the changes in mining industry techniques over time.

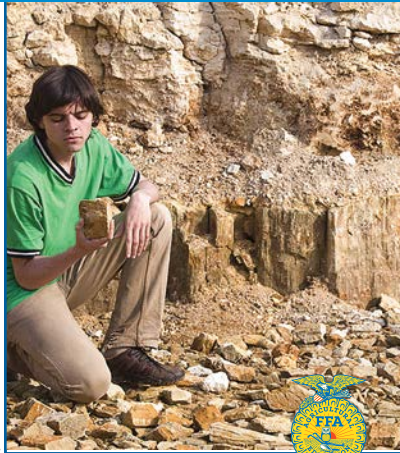


Is this right for me?

- » 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.FFA.org):

Research Associate

Agriculture Journalist

Environmental Compliance Officer

NATURAL RESOURCES SYSTEMS

Research the impact of various insects on woodlot management.

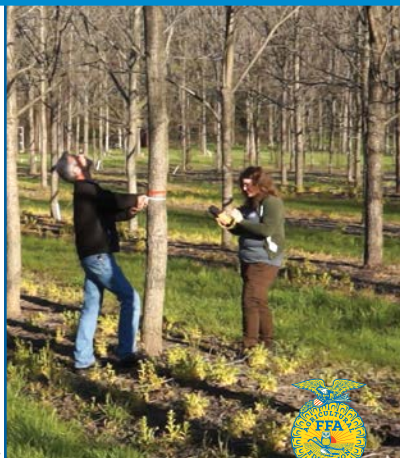


Is this right for me?

- » 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.FFA.org):

Restoration Specialist

Entomologist

Forester

NATURAL RESOURCES SYSTEMS

Research your local parks to find out what activities people like and use the most.

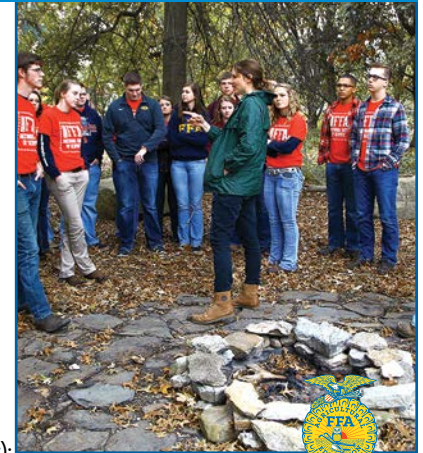


Is this right for me?

- » 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.FFA.org):

Data Processor

Quality Assurance Auditor

Product Development Manager/Demand Planner

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.FFA.org):

Environmental Science and Protection Technician

Extension Agent

Conservation Officer

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.FFA.org):

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.FFA.org):



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?

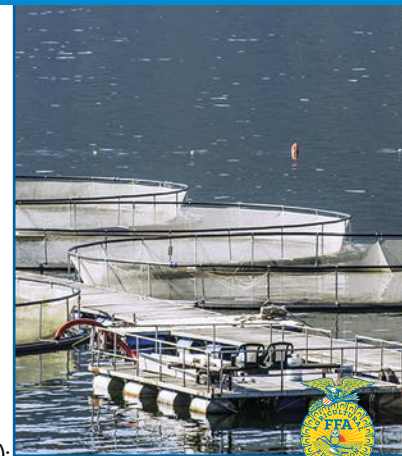
- » Stock and maintain fish populations in ponds.
- » Grow catfish to sell to local cafés.
- » Prepare a food safety information kit covering safe handling of meat, eggs and other fresh-food products.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):



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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

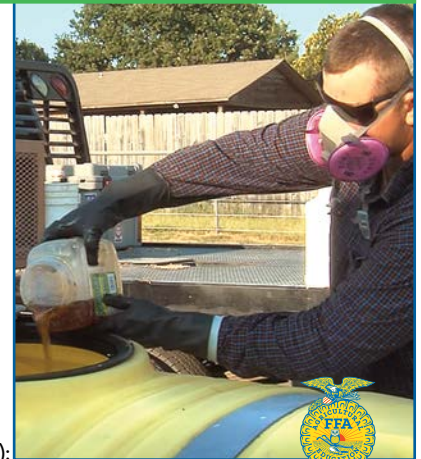
- » Start a service to collect used pesticide containers.
- » Study the effects of excessive lawn chemicals on wildlife.
- » Test organic versus inorganic fertilizers on plant development.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

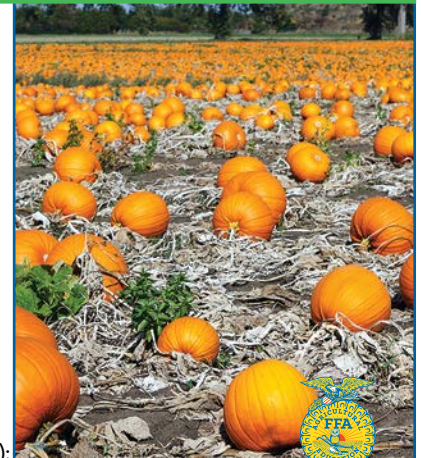
- » Work to establish a community vegetable garden.
- » Assist with the produce selection at a grocery store.
- » Test organic versus inorganic fertilizers on plant development.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

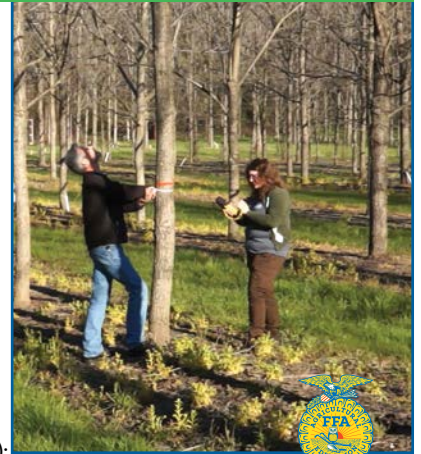
- » Research the impact of various insects on woodlot management.
- » Provide forestry walk-through tours for elementary students.
- » Create activities or laboratories for a natural resources class.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

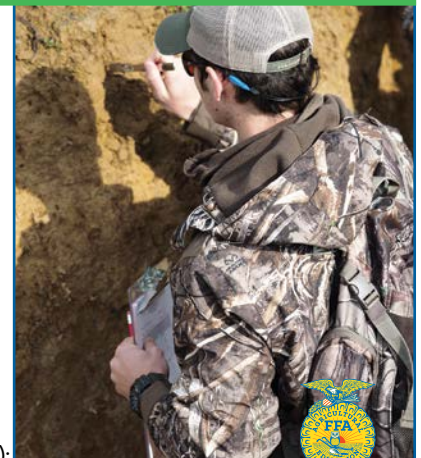
- » Start your own soil-sampling business.
- » Create posters on soil conservation practices for homeowners.
- » Create and sell soil survey maps for area farmers and landowners.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Arborist

Horticulturist



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.FFA.org):

Weed Scientist

Entomologist

Agriculture Science
Teacher



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.FFA.org):

Agriculture Science
Teacher

Agricultural Literacy and
Advocacy Specialist

Agronomist



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.FFA.org):



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.FFA.org):

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?

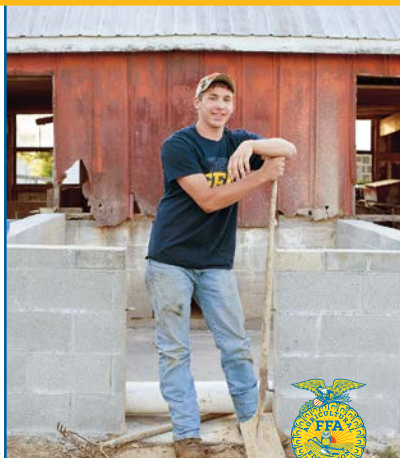
- » Run a custom fence-building and repair business.
- » Complete home- or farmstead-improvement construction activities.
- » Conduct composting workshops for homeowners.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Information Technology
Specialist

Customer Service
Representative

Agriculture Science
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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

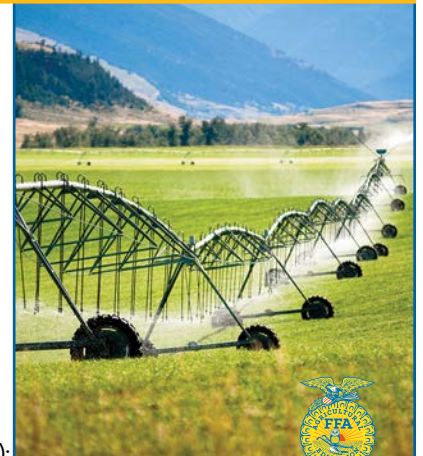
- » Research the water savings accomplished by new irrigation technologies.
- » Own and operate a water system farm drainage (tilling) company.
- » Research the cost-versus-return of automating systems in an agricultural processing facility.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

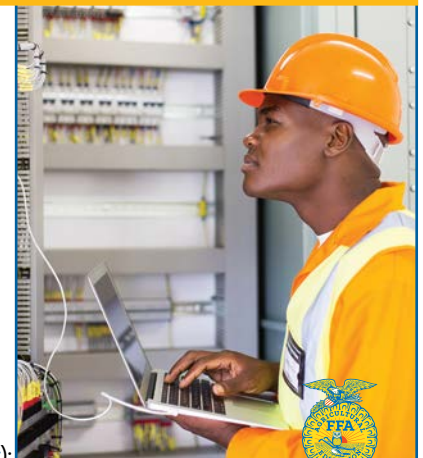
- » Wire agricultural buildings for lights and receptacles.
- » Research the energy use of different types of lighting systems in farm buildings.
- » Create hands-on classroom activities.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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?

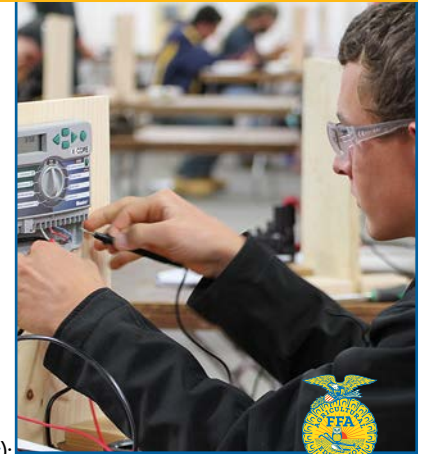
- » Study pollution control practices.
- » Work for a plumbing business in an agricultural setting.
- » Work as a trencher for waste-water lagoons.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Inventory/Stock Specialist

Warehouse/Facility
Manager



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.FFA.org):

Maintenance/Service
Technician

Mechanical Engineer

Welder



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.FFA.org):

Maintenance/Service
Technician

Mechanical Engineer

Welder



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?

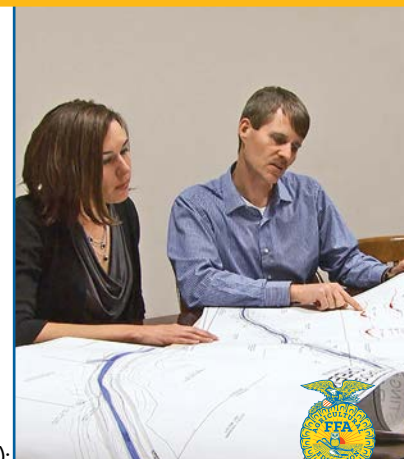
- » Research the water savings accomplished by new irrigation technologies.
- » Assist landowners with the installation of soil conservation practices.
- » Research the adoption of technology by agriculture producers in your area.

Future Careers (visit AgExplorer.FFA.org):

Environmental Engineer

Soil Scientist

Irrigation Specialist



POWER, STRUCTURAL & TECHNICAL SYSTEMS

POWER, STRUCTURAL & TECHNICAL SYSTEMS

POWER, STRUCTURAL & TECHNICAL SYSTEMS

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

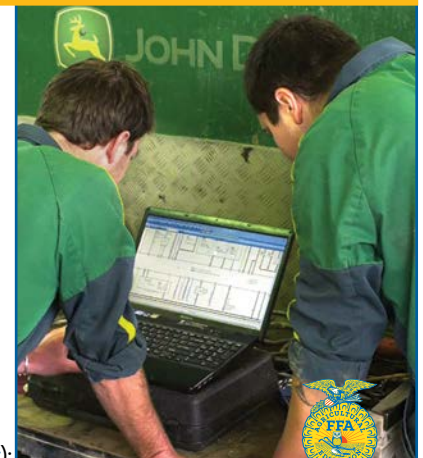
- » Design custom computer programs using Excel or other software to solve problems for producers.
- » Provide basic internet and email training to producers to increase their level of confidence in using technology.
- » Volunteer to design a website for a local agriculture group.

Future Careers (visit AgExplorer.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

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?

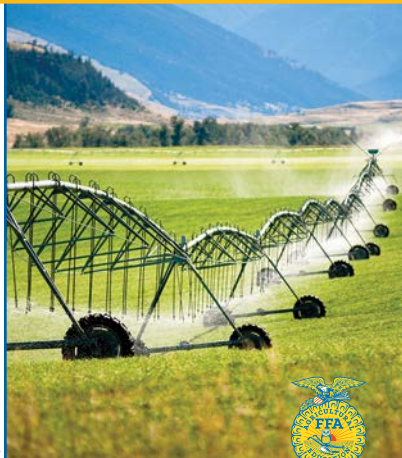
- » Would I enjoy working with this project?
- » Do I currently have, or have access to, needed resources for this project?

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.FFA.org):

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.FFA.org):

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.FFA.org):

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.FFA.org):

Agriculture Science
Teacher

Heavy Equipment
Operator/Forklift Operator

Agricultural Literacy and
Advocacy Specialist

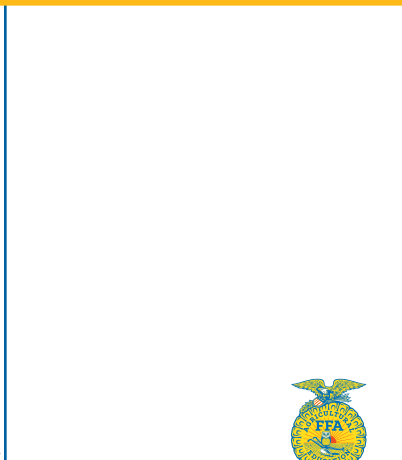
POWER, STRUCTURAL & TECHNICAL SYSTEMS



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.FFA.org):

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.FFA.org):

Agricultural Lobbyist

Process/Continuous
Improvement Manager

Human Resources
Manager

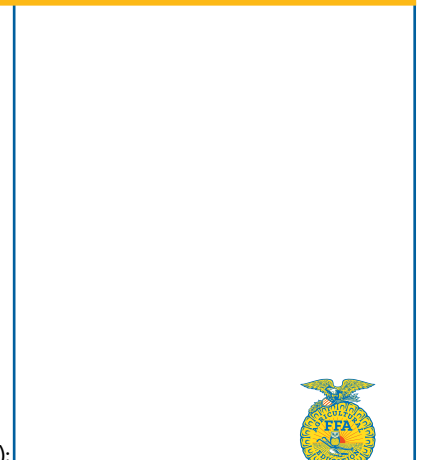
POWER, STRUCTURAL & TECHNICAL SYSTEMS



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.FFA.org):

RESEARCH

POWER, STRUCTURAL & TECHNICAL SYSTEMS