

Plant Systems - Entrepreneurship	Proficiency Award Area	Proficiency Description 1
Grow flowers for sale at a local farmer's market.	Floriculture	Floriculture -using the best management practices available to efficiently produce and market field or greenhouse production of flowers (fresh and dried), foliage, and related plant materials for ornamental purposes, including the arranging, packaging and marketing of these materials.
Rent land from a neighbor and grow soybeans.	Fiber and/or Oil Crop Production	Fiber and Oil Crop Production -using the best management practices available to efficiently produce and market crops for fiber and/or oil; such as, cotton, sisal, hemp, soybeans , flax, mustard, canola, castor beans, sunflower, peanuts, dill, spearmint, and safflower.
Start your own pruning business.	Forest Management and Products (Pruning in Forest) or Landscape Management (pruning of landscape shrubs and plants)	Forest Management and Products -using the best management practices available to conserve or increase the economic value of a forest and/or forest products through such practices as thinning, pruning , weeding, stand improvement, reforestation, insect and disease control, planting, harvesting, Christmas tree farming, Forest Service, making and selling cedar shakes and firewood, and wood chips/mulch.
Start your own spraying business.	Agricultural Services	Agricultural Services -involves students working in custom equipment operation and maintenance, agricultural management and financial services, animal breeding services, custom baling, crop scouting, horse shoeing, taxidermy services, animal hospital services, custom and contract feeding services or other appropriate services offered through agricultural enterprises.
Start your own forage testing service.	Agricultural Services	Agricultural Services -involves students working in custom equipment operation and maintenance, agricultural management and financial services, animal breeding services, custom baling, crop scouting, horse shoeing, taxidermy services, animal hospital services, custom and contract feeding services or other appropriate services offered through agricultural enterprises.
Start your own soil sampling business.	Agricultural Services	Agricultural Services -involves students working in custom equipment operation and maintenance, agricultural management and financial services, animal breeding services, custom baling, crop scouting, horse shoeing, taxidermy services, animal hospital services, custom and contract feeding services or other appropriate services offered through agricultural enterprises.
Start your own lawn mowing service.	Turf Grass Management	Turf Grass Management -typically involves the planting and maintaining of turf for outdoor beautification, providing a lawn-mowing service , improvement of recreational areas, sod produced for sale, and golf course management.

Grow and sell plants through the high school greenhouse.	Nursery Operations	Nursery Operations -typically provides students with job-entry experience in areas such as turf, plants, shrubs and/or tree production for the purpose of transplanting or propagation. Could include water garden plants if produced to sale.
Raise Christmas trees.	Forest Management and Products	Forest Management and Products -using the best management practices available to conserve or increase the economic value of a forest and/or forest products through such practices as thinning, pruning, weeding, stand improvement, reforestation, insect and disease control, planting, harvesting, Christmas tree farming, Forest Service, making and selling cedar shakes and firewood, and wood chips/mulch.
Raise and sell pumpkins.	Vegetable Production	Vegetable Production -using the best management practices available to efficiently product and market crops such as beans, potatoes, pumpkins, sweet corn, tomatoes, onions, zucchini, hot peppers, all canning vegetables and all common garden vegetables.
Raise and sell strawberries.	Fruit Production	Fruit Production -using the best management practices available to efficiently produce and market crops for fruit such as stone fruits, pome fruits, citrus fruits, pineapples, coconuts, berries, watermelon, grapes, nuts and all common fruits. (Pome Fruits include apples, mayhaws, and pears. Stone fruits include peach, nectarine, plum, apricot and cherry)
Provide services to fertilize lawns, till garden spots, prune trees, etc.	Landscape Management or Forest Management and Products (if pruning)	Landscape Management -typically involves experiences of planting and maintaining plants and shrubs, landscaping and outdoor beautification, groundskeeping, sprinkler installations and improvement of recreational areas.
Grow organic vegetables for a local café.	Vegetable Production	Vegetable Production -using the best management practices available to efficiently product and market crops such as beans, potatoes, pumpkins, sweet corn, tomatoes, onions, zucchini, hot peppers, all canning vegetables and all common garden vegetables.

Grow and sell red worms used to produce compost.	Specialty Animal Production	Specialty Animal Production -using the best management practices available to efficiently produce and market specialty animals not covered in any of the existing award categories, such as: bees, goats, mules, donkeys, miniature horses, mink, worms , ostriches, emus, alpacas or llamas. Placement could include zoo worker or placement at any specialty animal facility.
Sell and install water gardens.	Landscape Management	Landscape Management -typically involves experiences of planting and maintaining plants and shrubs, landscaping and outdoor beautification, groundskeeping, sprinkler installations and improvement of recreational areas.
Plant Systems - Placement	Proficiency Award Area	Proficiency Description 1
Work as a range consultant.	Agricultural Services	Agricultural Services -involves students working in custom equipment operation and maintenance, agricultural management and financial services, animal breeding services, custom baling, crop scouting, horse shoeing, taxidermy services, animal hospital services, custom and contract feeding services or other appropriate services offered through agricultural enterprises.
Work for a sprinkler installation business.	Agricultural Mechanics Design and Fabrication (designing or installing) or Landscape Management	Agricultural Mechanics Design and Fabrication -involves the design, and construction of agricultural equipment and/or structures or the structural materials selection and/or implementation of plans for utilizing concrete, electricity, plumbing, heating, ventilation, and/or air conditioning into agricultural settings.
Work for a grain farmer.	Grain Production	Grain Production -using the best management practices available to efficiently produce and market crops for grain production such as corn, barley (including the malting types), millet, buckwheat, oats, grain sorghum, milo, wheat, rice and rye.
Conduct timber crews and mark timber to be thinned.	Forest Management and Products	Forest Management and Products -using the best management practices available to conserve or increase the economic value of a forest and/or forest products through such practices as thinning, pruning, weeding, stand improvement, reforestation, insect and disease control, planting, harvesting, Christmas tree farming, Forest Service, making and selling cedar shakes and firewood, and wood chips/mulch.
Work for an agronomy service and collect soil samples.	Agricultural Services	Agricultural Services -involves students working in custom equipment operation and maintenance, agricultural management and financial services, animal breeding services, custom baling, crop scouting, horse shoeing, taxidermy services, animal hospital services, custom and contract feeding services or other appropriate services offered through agricultural enterprises.

Work for a lawn and landscape care business.	Landscape Management or Turf Grass Management	Landscape Management -typically involves experiences of planting and maintaining plants and shrubs, landscaping and outdoor beautification, groundskeeping, sprinkler installations and improvement of recreational areas.
Work in and monitor the school forest.	Forest Management and Products	Forest Management and Products -using the best management practices available to conserve or increase the economic value of a forest and/or forest products through such practices as thinning, pruning, weeding, stand improvement, reforestation, insect and disease control, planting, harvesting, Christmas tree farming, Forest Service, making and selling cedar shakes and firewood, and wood chips/mulch.
Work at a nursery	Nursery Operations	Nursery Operations -typically provides students with job-entry experience in areas such as turf, plants, shrubs and/or tree production for the purpose of transplanting or propagation. Could include water garden plants if produced to sale.
Work at a golf course.	Turf Grass Management	Turf Grass Management -typically involves the planting and maintaining of turf for outdoor beautification, providing a lawn-mowing service, improvement of recreational areas, sod produced for sale, and golf course management.
Work for a local flower shop doing design, plant care, deliveries, etc.	Floriculture	Floriculture -using the best management practices available to efficiently produce and market field or greenhouse production of flowers (fresh and dried), foliage, and related plant materials for ornamental purposes, including the arranging , packaging and marketing of these materials.
Work at a grain elevator during the summer.	Grain Production	Grain Production -using the best management practices available to efficiently produce and market crops for grain production such as corn, barley (including the malting types), millet, buckwheat, oats, grain sorghum, milo, wheat, rice and rye.
Work on a turf farm.	Turf Grass Management	Turf Grass Management -typically involves the planting and maintaining of turf for outdoor beautification, providing a lawn-mowing service, improvement of recreational areas, sod produced for sale , and golf course management.
Work in an orchard.	Fruit Production	Fruit Production -using the best management practices available to efficiently produce and market crops for fruit such as stone fruits, pome fruits, citrus fruits, pineapples, coconuts, berries, watermelon, grapes, nuts and all common fruits. (Pome Fruits include apples, mayhaws, and pears. Stone fruits include peach, nectarine, plum, apricot and cherry)

Work with county soil scientist to map soils.	Environmental Science and natural Resources	Environmental Science and Natural Resources Management -typically results in FFA members receiving practical experiences concerned with the principles and practices of managing and/or improving the environment and natural resources. Activities may include management of agriculture waste, recycling of agriculture products, environmental clean-ups, conservation corps, agricultural energy usage, multiple uses of resources, land use regulations including soil, water and air quality, preservation of wetlands, shorelines and grasslands, wildlife surveys, erosion prevention practices, public relations and education concerning pollution.
Work at an area garden center.	Floriculture	Floriculture -using the best management practices available to efficiently produce and market field or greenhouse production of flowers (fresh and dried), foliage, and related plant materials for ornamental purposes, including the arranging, packaging and marketing of these materials.
Plant Systems - Research & Agriscience		
	Proficiency Award Area	Proficiency Description 1
Research the best turf grass varieties for your area.	Turf Grass Management	Turf Grass Management -typically involves the planting and maintaining of turf for outdoor beautification, providing a lawn-mowing service, improvement of recreational areas, sod produced for sale, and golf course management.
Develop a test plot for various types of crops.	Grain Production	Grain Production -using the best management practices available to efficiently produce and market crops for grain production such as corn, barley (including the malting types), millet, buckwheat, oats, grain sorghum, milo, wheat, rice and rye.
Use the school lab to manage small vegetable crop variety plots.	Vegetable Production	Vegetable Production -using the best management practices available to efficiently produce and market crops such as beans, potatoes, pumpkins, sweet corn, tomatoes, onions, zucchini, hot peppers, all canning vegetables and all common garden vegetables.
Test forage samples under various conditions to determine feed values.	Forage Production	Forage Production -using the best management practices available to efficiently produce and market crops for forage such as: sorghum not used for grain, alfalfa, clover, brome grass, orchard grass, grain forages, corn and grass silages, and all pastures.
Test organic versus inorganic fertilizers on plant development.	Emerging Agricultural Technology	Emerging Agricultural Technology -involves students gaining experiences in new and emerging agricultural technologies, such as agri-science, biotechnology lab research , computers and other new and emerging technologies that are not covered in any of the existing award categories.

Research the effect of various planting times on yields of green beans.	Vegetable Production	Vegetable Production -using the best management practices available to efficiently product and market crops such as beans, potatoes, pumpkins, sweet corn, tomatoes, onions, zucchini, hot peppers, all canning vegetables and all common garden vegetables.
Research the effectiveness of genetically modified (GM) crops.	Emerging Agricultural Technology	Emerging Agricultural Technology -involves students gaining experiences in new and emerging agricultural technologies, such as agri-science, biotechnology lab research , computers and other new and emerging technologies that are not covered in any of the existing award categories.
Discover the best types of artificial lights for plant growth.	Emerging Agricultural Technology	Emerging Agricultural Technology -involves students gaining experiences in new and emerging agricultural technologies, such as agri-science, biotechnology lab research , computers and other new and emerging technologies that are not covered in any of the existing award categories.
Research plant propagation techniques.	Nursery Operations	Nursery Operations -typically provides students with job-entry experience in areas such as turf, plants, shrubs and/or tree production for the purpose of transplanting or propagation . Could include water garden plants if produced to sale.
Test drought tolerance of different types of watermelons.	Fruit Production	Fruit Production -using the best management practices available to efficiently produce and market crops for fruit such as stone fruits, pome fruits, citrus fruits, pineapples, coconuts, berries, watermelon , grapes, nuts and all common fruits. (Pome Fruits include apples, mayhaws, and pears. Stone fruits include peach, nectarine, plum, apricot and cherry)
Plant Systems - Exploratory & Service Proficiency Award Area Proficiency Description 1		
Take care of flower beds/gardens on school property.	Depending upon what area they are concentrating on: Floriculture; Fruit Production; Nursery Operations; Vegetable Production	Floriculture -using the best management practices available to efficiently produce and market field or greenhouse production of flowers (fresh and dried), foliage, and related plant materials for ornamental purposes, including the arranging, packaging and marketing of these materials.

Build and maintain the compost units at the school.	Environmental Science and natural Resources	Environmental Science and Natural Resources Management -typically results in FFA members receiving practical experiences concerned with the principles and practices of managing and/or improving the environment and natural resources. Activities may include management of agriculture waste, recycling of agriculture products , environmental clean-ups, conservation corps, agricultural energy usage, multiple uses of resources, land use regulations including soil, water and air quality, preservation of wetlands, shorelines and grasslands, wildlife surveys, erosion prevention practices, public relations and education concerning pollution.
Volunteer to work with landowners to improve their forest lots.	Forest Management and Products	Forest Management and Products -using the best management practices available to conserve or increase the economic value of a forest and/or forest products through such practices as thinning, pruning, weeding, stand improvement, reforestation, insect and disease control, planting, harvesting, Christmas tree farming, Forest Service, making and selling cedar shakes and firewood, and wood chips/mulch.
Provide forestry walk-through tours for elementary students.	Agricultural Education	Agricultural Education - for students with SAE's related to education and extension, including, but not limited to: youth mentoring, agricultural education departmental assistants, PALS mentors and student coordinators, students developing and conducting informational materials and presentations for civic organizations and school aged youth, and students who are involved in SAEs surrounding educating the public about the broad topics of agriculture, agriculture education and the FFA
Plan plant-related activities and laboratories for your class.	Agricultural Education	Agricultural Education - for students with SAE's related to education and extension, including, but not limited to: youth mentoring, agricultural education departmental assistants, PALS mentors and student coordinators, students developing and conducting informational materials and presentations for civic organizations and school aged youth, and students who are involved in SAEs surrounding educating the public about the broad topics of agriculture, agriculture education and the FFA
Do a garden projection for school land and have it mapped out four years in advance.	Vegetable Production	Vegetable Production -using the best management practices available to efficiently product and market crops such as beans, potatoes, pumpkins, sweet corn, tomatoes, onions, zucchini, hot peppers, all canning vegetables and all common garden vegetables.

Collect and laminate plants from a nursery landscape CDE at various stages of growth.	Agricultural Education	Agricultural Education - for students with SAE's related to education and extension, including, but not limited to: youth mentoring, agricultural education departmental assistants, PALS mentors and student coordinators, students developing and conducting informational materials and presentations for civic organizations and school aged youth, and students who are involved in SAEs surrounding educating the public about the broad topics of agriculture, agriculture education and the FFA
Create a brochure about common houseplant diseases and how to take care of them.	Agricultural Communications	Agricultural Communications -typically includes programs in which a student is placed at a newspaper or other agricultural print (such as magazines) facilities to obtain training and practical experience in writing and publicizing in preparation for a writing communications career. Programs may also be at radio, TV stations, fair media rooms, or other businesses requiring speaking skills and knowledge of agriculture. Also includes any use of technology (such as websites) aimed at communicating the story of agriculture.
Complete a report on 10 food plants that includes origin, uses and cultivation practices.	Agricultural Education	Agricultural Education - for students with SAE's related to education and extension, including, but not limited to: youth mentoring, agricultural education departmental assistants, PALS mentors and student coordinators, students developing and conducting informational materials and presentations for civic organizations and school aged youth, and students who are involved in SAEs surrounding educating the public about the broad topics of agriculture, agriculture education and the FFA
Take pictures and make a CD for plant or insect identification.	Agricultural Education	Agricultural Education - for students with SAE's related to education and extension, including, but not limited to: youth mentoring, agricultural education departmental assistants, PALS mentors and student coordinators, students developing and conducting informational materials and presentations for civic organizations and school aged youth, and students who are involved in SAEs surrounding educating the public about the broad topics of agriculture, agriculture education and the FFA

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