

Food Products/Processing Systems			
Food Products/Processing Systems - Entrepreneurship			
	Proficiency Award Area	Proficiency Description 1	Proficiency Description 2
Sell gourmet popcorn products.	Agricultural Sales or Specialty Crop Production (depending upon what the applicant is doing, just selling or growing and selling)	Agricultural Sales -involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.	Specialty Crop Production -using the best management practices available to efficiently produce and market crops not covered in any of the existing award categories, such as: sugar beets, dry edible beans, gourds, tobacco, popcorn, Indian corn and other specialty corns, all grass seed production, herbs and spices, mushrooms, sugar cane, hops, sorghum cane, confectionary sunflowers, or production of crop seed.
Use unsaleable zucchini in baked goods as a side to vegetable production	Agricultural Processing	Agricultural Processing -involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing . Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	
Raise trout and sell to local restaurants.	Aquaculture	Aquaculture – involves programs that use the best management practices available to produce and market aquatic plants and animals. Programs can include catfish, shrimp and crawfish farming; mollusks; salmon ranching; tropical fish rearing and tilapia culture.	
Process and sell specialty products - bison, wildflowers, ostrich, etc.	Agricultural Processing or Agricultural Sales (depending upon what the applicant is doing, just processing or just selling)	Agricultural Processing -involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing . Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	Agricultural Sales -involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.

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Process wild game for jerky.	Agricultural Processing	Agricultural Processing -involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing . Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	
Collect wild mushrooms and sell to local vendors.	Agricultural Sales	Agricultural Sales -involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.	
Sell picked vegetables.	Agricultural Sales	Agricultural Sales -involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.	
Make jams and jellies for sale at a farmers' market.	Agricultural Processing unless you are growing and making the jams (Fruit Production)	Agricultural Processing -involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing . Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	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)
Start a service to grow gardens for the elderly.	Agricultural Services	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	

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Work for and/or operate a wild bird processing service.	Agricultural Processing	Agricultural Processing-involves students working in assembling, transporting, processing , fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing. Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	
Food Products/Processing Systems - Placement			
	Proficiency Award Area	Proficiency Description 1	Proficiency Description 2
Work at a meat production plant.	Agricultural Processing	Agricultural Processing-involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing. Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	
Work at a produce facility that repackages and sells produce.	Depending upon what you are doing - repackaging (Agricultural Processing); Selling (Agricultural Sales)	Agricultural Processing-involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing. Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	Agricultural Sales-involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.
Work at a vegetable or fruit canning factory.	Agricultural Processing	Agricultural Processing-involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing. Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	

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Work on a cranberry farm.	Fruit Production		
Work for an agricultural seed cleaning and bagging company.	Agricultural Processing	Agricultural Processing-involves students working in assembling, transporting, processing, fabricating, mixing, packaging, and storing food and nonfood agricultural products. Programs may include processing meat, milk, honey, cheese, raisins and other dried fruits, maple syrup and/or other food processing. Non-food products could include by-products processing such as meat, bone, fish and blood meal, tallow, making compost, hides, processing of wool & cotton, cubing & pelleting of forages, producing bird seed and other pet foods. NOTE: Processing of forest products is no longer part of the Agricultural Processing area. See Forest Management and Products.	
Help at a local fruit/vegetable stand.	Agricultural Sales	Agricultural Sales-involves students working in sales of feed, seed, fertilizer or agricultural chemicals. Students may also own businesses that involve the sales of agricultural equipment, machinery or structures. Activities may also include the merchandising of crops, livestock, processed agricultural commodities, horticultural or forestry items at either the retail or wholesale level.	
Assist on a herb farm.	Specialty Crop Production	Specialty Crop Production-using the best management practices available to efficiently produce and market crops not covered in any of the existing award categories, such as: sugar beets, dry edible beans, gourds, tobacco, popcorn, Indian corn and other specialty corns, all grass seed production, herbs and spices, mushrooms, sugar cane, hops, sorghum cane, confectionary sunflowers, or production of crop seed.	
Deliver sweet corn to customers for a local grower.	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.	
Assist with produce selection at a grocery store.	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.	
Food Products/Processing Systems - Research & Agriscience			
	Proficiency Award Area	Proficiency Description 1	Proficiency Description 2

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Research genetic crossings in winter squash.	Food Science and Technology	Food Science and Technology -involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	
Research the environmental effects on milk.	Food Science and Technology	Food Science and Technology -involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	
Create classroom activities.	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	
Research genetic changes in various vegetable crops.	Emerging Agricultural Technology		
Test ideas for new food products	Food Science and Technology	Food Science and Technology -involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	

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Research incidents of food-borne illnesses in the community.	Food Science and Technology	Food Science and Technology-involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	
Study the impact of various styles of labels on people's perception of the food.	Food Science and Technology	Food Science and Technology-involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	
Research why new food fails to sell.	Food Science and Technology	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.	
Research the development and use of edible soybeans.	Food Science and Technology	Food Science and Technology-involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	
Food Products/Processing Systems - Exploratory & Service	Proficiency Award Area	Proficiency Description 1	Proficiency Description 2

Food Products/Processing Systems			
Prepare a food safety information kit covering safe handling of meat, eggs and other fresh food products.	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	
Present a food safety demonstration to 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	
Work to establish a community vegetable garden.	Home and Community Development	Home and/or Community Development-typically involves improving and protecting the beauty of an area by using natural vegetation or commercial ornamental plants and/or modernizing the home for better health and comfort through installation or improvement of water and sanitary facilities, heating and air conditioning or labor saving devices. Also includes community development activities such as volunteerism, community development and community betterment activities.	
Create posters that show foods from raw to finished product.	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.	
Interview three companies that process or package food products.	Food Science and Technology	Food Science and Technology-involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	

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Create and promotion for local food products on chapter website.	Agricultural Communication	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	
Grow vegetables to give to local food pantry.	Vegetable Production or Home and Community Development	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.	Home and/or Community Development-typically involves improving and protecting the beauty of an area by using natural vegetation or commercial ornamental plants and/or modernizing the home for better health and comfort through installation or improvement of water and sanitary facilities, heating and air conditioning or labor saving devices. Also includes community development activities such as volunteerism, community development and community betterment activities.
Ask farmers for permission to glean fields for food to give to homeless shelters.	Home and Community Development	Home and/or Community Development-typically involves improving and protecting the beauty of an area by using natural vegetation or commercial ornamental plants and/or modernizing the home for better health and comfort through installation or improvement of water and sanitary facilities, heating and air conditioning or labor saving devices. Also includes community development activities such as volunteerism, community development and community betterment activities.	
Shadow a USDA meat inspector.	Food Science and Technology	Food Science and Technology-involves students working for wages and or experience in the applying microbiology and biochemistry or food product research and development to improve taste, nutrition, quality and/or value of food. Programs could include research, development of new products, food testing, grading and inspecting. Work experience could be obtained at research facilities, in classroom/lab facilities, or by testing milk or other foods for quality and safety. Food Science is not processing of food products, marketing or sales of food products, or food preparation and/or service.	