# **California 4-H Projects**

Revised 7/1/2022

"Learn by doing" in an atmosphere where learning is fun is a basic philosophy of 4-H. The project is where learn-by-doing takes place. Within the project, members find things to learn, to do, to make, and to explore.

# A 4-H project is:

- Planned work in an area of interest to the 4-H member.
- Guided by 4-H adult volunteers who are project leaders.
- Aimed at planned objectives that can be attained and measured.
- Summarized by some form of record keeping.
- A minimum of six hours of project instruction.

Each year, a 4-H member enrolls in at least one project. Members enrolling for the first time should be encouraged to take on only one project. As members gain experience, the size of the project may be increased or additional projects may be selected. Some project groups meet once a week. Others meet once or twice a month. The purpose of these meetings is to guide the members in gaining knowledge, attitudes, skills, and habits needed to complete their work successfully. Check with your county office to see which projects are currently being offered in your county. The availability of a project depends upon whether an adult volunteer is available to lead it.

**Note:** Many of these project names act as umbrellas for specific topics. For example, a 4-H Club may offer an "Arts and Crafts" project that focuses on glass etching, porcelain dolls, or another topic. Please check with your 4-H Club Leader for a specific list of projects your 4-H Club offers.

## **Positive Youth Development**

4-H is designed to support the positive and successful development of all youth. 4-H volunteer leaders are essential partners in creating a positive environment by focusing on the strengths of youth and providing positive ways for youth to meet their basic needs. <a href="http://4h.ucanr.edu/About/Mission/">http://4h.ucanr.edu/About/Mission/</a>

### **Youth-Adult Partnerships**

Youth-adult partnerships are shown to be one of the most effective ways to engage both youth and adults in meaningful activities which contribute to positive youth development. http://4h.ucanr.edu/About/Framework/YAP/

#### 4-H Record Book

Most projects encourage 4-H members to record their learning experiences with the Annual Project Report. <a href="http://ucanr.edu/sites/uc4-h/resources/members/recordbook/">http://ucanr.edu/sites/uc4-h/resources/members/recordbook/</a>

#### For Adult 4-H Volunteer Leaders

Project Leaders Digest http://ucanr.edu/sites/uc4-h/resources/volunteers/projectleaders/

### Safety

Safety is an important consideration in all 4-H projects. Please review the Clover Safety Fact Sheets. http://safety.ucanr.edu/4-H Resources/

#### 4-H Curriculum

Curriculum is available at: ANR Publications (http://4h.ucanr.edu/Resources/Curriculum/) and National 4-H Mall (http://www.4-hmall.org/Curriculum.aspx).

National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
	4-H Million Trees	Learn about the climate crisis and conservation while having fun planting trees. Since it was founded by a 4-H'er in 2007, over 250,000 youth and adults have planted about 30	
		million trees to slow global climate change	
		Learn to make a positive difference in one's community and developing the combination	
		of knowledge, skills, values and motivation. Youth will learn to engage within	
	Civic Engagement	communities on many scalesfrom local to globalmaking contributions that reinforce	
	errie zingugement	their sense of purpose and strengthening their sense of belonging with peers and	
		community adults. More information on California 4-H civic engagement projects is	
		available at <a href="http://4h.ucanr.edu/Projects/CivicEngagement/">http://4h.ucanr.edu/Projects/CivicEngagement/</a>	
		This project helps prepare youth to be successful as they enter into the market and learn	
	Civic Engagement: Economics & Business	basic economic principles of a free market system, investigate the stock, bond, fund,	
		cash, and futures markets, and explore U.S. industries and their impacts on the	
		American economy.	
		4-H members and volunteer leaders establish a two-way exchange with 4-Hers from	
	Domestic Exchanges	another state or another county within California. The groups take turns hosting one	
		another on consecutive summers.	
	Economics & Marketing  Global Education	An advanced study in any project field. A special study (including tours) of different	
Civic Engagement		types of businesses, a roadside stands, or the commodity marketing program.	
		Foster cross-cultural awareness, cooperation and understanding about other countries.	
		Learn to live and work effectively in a global society.	
	International Exchanges	Expand your cross-cultural skills. 4-H members may participate in exchanges with	
		Canada and U.S. territories and through organized programs led by a state 4-H Youth	
		Development Program. More information about International Exchanges is available at	
		http://4h.ucanr.edu/Resources/Policies/Chapter7/.	
		Learn how to step-up a community service project to a service-learning project and	
	Service Learning	make a greater impact on your community while learning new skills.	
		http://4h.ucanr.edu/Projects/CivicEngagement/service learning/.	
	Samilar Languiga of Camanagita Camilar	In this project youth learn the value of helping others, develop leadership,	
	Service Learning: Community Service	communication, organizational skills and a sense of empowerment, and build self-	
		esteem from the positive results of their service.	
		Youth-led Participatory Action Research (YPAR) is designed to empower youth and	
	Youth-led Participatory Action Research	center youth voices in Policy, Systems, and Environmental change interventions and	
	(YPAR)	community leadership. YPAR's adaptive, flexible approach trains youth to design and	
		conduct a research project based on the questions and concerns they have about their	
		school and/or community. <a href="https://uccalfresh.ucdavis.edu/initiatives/ye/ypar">https://uccalfresh.ucdavis.edu/initiatives/ye/ypar</a>	

Communications and Expressive Arts			
National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
	Arts & Crafts	Learn to make creative items or projects. This includes but is not limited to, any of the following: knitting, crocheting, cake decorating, jewelry making, fly tying, macrame, decoupage, stained-glass, making, pottery, ceramics, flower arranging, and hobbies such as coin or stamp collecting.	
	Arts & Crafts: Advanced	Learn to make creative items or projects. This includes but is not limited to, any of the following: jewelry making, fly tying, macramé, decoupage, stained-glass, making, pottery, ceramics, and hobbies such as coin or stamp collecting. This project is for advanced crafters	
	Arts & Crafts: Beading	In this project, youth learn about beading and bead making design and handicraft. The 4-H beading project may include history of bead making, the use of beads historically and in present day, design, tool exploration and more.	
	Arts & Crafts: Beginner	Learn to make creative items or projects. This includes but is not limited to, any of the following: jewelry making, fly tying, macramé, decoupage, stained-glass, making, pottery, ceramics, and hobbies such as coin or stamp collecting. This project is for beginner crafters.	
	Arts & Crafts: Candle Making	Learn the art of making candles. This project may include, molded, ice, floating, decorated, free form, and hand dipped.	
Communications and Expressive Arts	Arts & Crafts: Card Making	Learn to make creative items or projects. This project focuses on the art and craft techniques used in card making.	
	Arts & Crafts: Drawing	In this project, youth learn about drawing through exploration and creation. The drawing project may include the study and use of many different styles, techniques, mediums and more.	
	Arts & Crafts: Fine Arts	In this project, youth learn about fine arts through exploration and creation. The fine arts project may include the creation of creative art that is appreciated for its imaginative, aesthetic and intellectual in content.	
	Arts & Crafts: Glass	Learn to make creative items or projects. This project focuses on glass arts and crafting.	
	Arts & Crafts: Intermediate	Learn to make creative items or projects. This includes but is not limited to, any of the following: jewelry making, fly tying, macramé, decoupage, stained-glass, making, pottery, ceramics, and hobbies such as coin or stamp collecting. This project is for beginner crafters.	
	Arts & Crafts: Jewelry Making	In this project, youth learn about jewelry making through decorative design and handicraft. The 4-H jewelry making project may include beading, jewelry making, history of design, tool exploration and more.	
	Arts & Crafts: Painting	In this project, youth learn about painting through exploration and creation. The painting project may include the study and use of many different styles, techniques, mediums and more.	

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	Learn techniques, color combinations, and the science of chemical reactions. Fabric	
Arts & Crafts: Tie Dye	materials are dyed with colors in a variety of methods. A number of resist dyeing	
	techniques and the resulting dyed products of these processes may be used.	
Calligraphy	Learn about the history and art of calligraphy. Project may include pen or quill use.	
Ceramics & Clay Arts	Learn how to make items or projects out of clay.	
	Learn how to make items out of clay using a variety of hand building methods and/or	Prohibited
Ceramics & Clay Arts: Advance	wheel throwing. This project could include glaze application, decoration techniques,	from
	firing processes, design critique and aesthetics, and history of ceramics.	enrolling.
Consension & Class Autor Bosinsins	Learn how to make items or projects out of clay using hand molding or made in cast or	
Ceramics & Clay Arts: Beginning	plaster-of-Paris molds.	
Communication Cuarting Multipa	Develop written communication skills through the creative writing process. May include	
Communication: Creative Writing	poetry, fiction or non-fiction writing.	
	Develop oral and written communication skills. Learn about various methods used to	
	communicate including speech and writing. Project may elect to focus on various	
Communications	historical or modern technologies used for communication.	
	http://4h.ucanr.edu/Projects/Project Sheets/	
	Learn about and/or participate in leisure-time activities that enhance the quality of life.	
Cultural Arts	These activities include, but are not limited to: dance, drama, music, art, and museum	
	work.	
	In this project youth may listen to and appreciate many styles and genres of music,	
Cultural Arts: Music Project	perform music by voice or using one or more instruments, read and compose music, and	
	make an instrument.	
Damas	Learn the history and various styles of dance. Leader may wish to specify type of dance	
Dance	that will be taught in the project.	
Duning Q Thorston Auto	Learn about everything involved with theatre! Members work together to develop a	
Drama & Theater Arts	performance including music, dance, acting, stage creation, and scripts.	
0 1: 4:	Members will learn the art of printmaking and drawing, using either historical or	
Graphic Arts	modern techniques.	
	Hobbies are practiced for interest and enjoyment. Various 4-H hobby projects may	
Hobbies	focus on collecting, art, making, or tinkering.	
	This project introduces youth to the fundamentals of game theory and game mechanics	
Hobbies: Tabletop Gaming	through experiential playing and reflection on games.	
	Learn to speak the Spanish language. This project may focus on how to speak, listen to,	
Language: Spanish	read, or write Spanish or the culture and history of Spanish-speaking communities.	
Leathercraft	Learn to design, make, and decorate leather furnishings and wardrobe items.	
	Learn to play various instruments. May include information on writing and reading	
Music & Instruments	music.	
Music & Instruments: Guitar	Learn to play the guitar. May include information on writing and reading music.	
	Learn and explore areas of expression using the body and voice to convey a message in a	
Music & Instruments: Vocal/Singing	performance through pitch, diction, dynamics, etc.	
Photography	Learn to use photographic equipment and take and/or develop photographs.	
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Public Speaking	Members will learn how to properly prepare and give a demonstration or talk. This may include any number of props education in areas such as posters and PowerPoint. May include members participating in events such as Presentation Day. <a href="http://4h.ucanr.edu/Projects/Project_Sheets/">http://4h.ucanr.edu/Projects/Project_Sheets/</a>	
Public Speaking: Presentations	The 4-H Public Speaking project focuses on supporting youth in developing and strengthening their abilities and confidence to speak in front of people. Giving presentations helps develop many life skills including the ability to speak in front of groups; organize ideas; and create and use graphics to support the spoken work. While there are many opportunities for youth to present in 4-H, this project focuses on practicing and providing feedback.	
Radio Broadcasting	Learn aspects of radio broadcasting which could include writing scripts, conducting interviews, recording skills, technical audio editing, and the history of radio while gaining leadership skills, reading and speaking confidence, and connection with the local community. May include partnership with local radio stations.	
Scrapbooking	Learn how to make a scrapbook to commemorate events or people using photos, mementos, and basic scrapbooking tools.	
Sign Language	Learn about the deaf community and their way of life. Members will also learn basic to advanced sign language.	

		Community/ Volunteer Service	
National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
Community / Volunteer Service	Community Pride & Community Service	Includes projects such as Community Service, Community Pride, and Heritage and Culture. Generally focuses on assisting a member of the club's community with tasks or financial problems. Many projects may be designed using all or part of the Community Action Process as a guideline.	

	_	Leadership and Personal Development	
National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
Leadership and Personal Development	Ambassador Leadership	A project in which a member is selected as an Ambassador. Learn how an Ambassador assists their county and members. Learn more at <a href="http://4h.ucanr.edu/Projects/Leadership/County">http://4h.ucanr.edu/Projects/Leadership/County</a> Ambassadors/	Prohibited from enrolling.
	Beginning 4-H	A project for new 4-H members which provides the opportunity to "sample" different projects.	
	Career Exploration	Learn about career opportunities through individual or group study under the direction of a leader.	
	Fair Preparation	Learn what to expect and how to prepare for participation at the fair. May include how to fill out fair entries and prepare a still exhibit, what supplies to bring to fair, how to	

	prepare for fair camping, your local fair culture, or any other topic that will help to make a member's fair experience successful.	
Group-Determined	Any project which a group has determined it wishes to do.	
Ні 4-Н	A Civic Engagement and Community Pride project for high school 4-H members.	Prohibited from enrolling.
Leadership: Club Officer	Learn and practice the tasks of your officer position. Club officers take the lead to plan club meetings and events as well as give opportunities for others to lead. Learn to give your opinion during discussions, and listen to and consider the ideas of others.	_
Leadership: iGrow, iThrive	Learn leadership skills and personal development using the thriving practices in the Thrive Educational Series. iGrow is for ages 9-12; and iThrive is for teens. <a href="https://4h.ucanr.edu/Resources/Curriculum/4-H">https://4h.ucanr.edu/Resources/Curriculum/4-H</a> Thrive Educational Series Resources/	
Leadership Development	Learn about leadership for an individual, group and organization. Build your own leadership skills through public speaking, project management, communication, organization, and negotiation.	
Pathways to Your Future	This project equips youth in grades 9 through 12 with the knowledge and skills to plan and manage their after high school education/training and career plans. The curriculum provides youth with skills and resources to turn their passions and interests into potential careers, while exploring various pathways for gaining the necessary skills and education needed to enter the workforce. <a href="https://anrcatalog.ucanr.edu/Details.aspx?itemNo=8686#FullDescription">https://anrcatalog.ucanr.edu/Details.aspx?itemNo=8686#FullDescription</a>	
Primary Members (iSprout, Mini Member & Cloverbud)	For members under the age of nine to participate in; project may include basic sampling of other projects.	
Record Keeping	Learn about records management and the practice of identifying, classifying, archiving, preserving, and destroying records. Many projects may focus on 4-H record books. <a href="http://4h.ucanr.edu/Resources/Member Resources/RecordBook/">http://4h.ucanr.edu/Resources/Member Resources/RecordBook/</a>	
Record Keeping: Record Books	In this project, youth learn about record keeping. The focus reflects the importance of this life skill on their daily lives. This project will focus on the 4-H record book process where you record project and club work using a standard format that provides incentive for participation, learning and achievement. This project will allow youth to practice records management; reflect on yearly work; measure annual achievements and growth throughout your 4-H experience; set goals, pursue strategies to meet those goals, and record how you may have shifted gears in the face of challenges and obstacles.	
Self-Determined	Any project which a member wishes to engage in for which there is not already a project category.	
Teens as Teachers (TAT): Cooking Academy	Using a cross-age teaching model, this project utilizes older 4-H youth as teen teachers in facilitating nutrition education lessons teaching younger youth basic nutrition and cooking skills through hands-on cooking lessons.  https://4h.ucanr.edu/Projects/HealthyLiving/Cooking Academy /	
Teens as Teachers (TAT): Mindful Me	Using a cross-age teaching model, this project utilizes older 4-H youth as teen teachers to introduce younger youth members to basic concepts in mindfulness practices.	

Teens as Teachers (TAT): Youth	4-H YES uses specially trained teenage volunteers to conduct the "hands -on" science	
Experiences in Science: YES	curriculum for children five- to eight-years of age enrolled in School-Age Child Care (SACC) Programs.	
	(SACC) Frograms.	

# **Healthy Lifestyles**

National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
	Baking and Bread making	Learn the many methods and history of bread making. May include traditional practices	
	baking and bread making	or machine practices. May include commercial introduction.	
	Cake Decorating	Members learn how to decorate a cake according to their tastes. Cakes may vary from	
	Cake Decorating	advanced to very basic.	
	Cake Decorating: Advanced	Members learn how to decorate a cake according to their tastes. This class is designated	
	Cake Decorating. Advanced	for advanced skill levels.	
	Cake Decorating: Beginner	Members learn how to decorate a cake according to their tastes. This class is designated	
	Cake Decorating, Beginner	for beginning skill levels.	
		Learn how to shop for, prepare, and serve nutritious food safely, and how to maintain	
	Foods	good health through a good diet. Food may be whatever the leader selects, with	
	roous	subcategories including but not limited to: Beginning, Dairy, International, Nutritional,	
		and Preservation.	
		In this project, youth learn about foods by partnering with adults in the kitchen to plan	
	Foods: Advanced Cooking	and cook food, explore the science, nutrition, and history of cooking while promoting	
	roous. Advanced Cooking	healthy eating and resource management. This is advanced cooking program moves	
Health		beyond exploration to encompass advanced skill building practices.	
		In this project, youth learn about foods by partnering in the kitchen to plan and create	
	Foods: Baking	baked goods. They explore the science, nutrition and history of baking while promoting	
		healthy eating and resource management.	
	Foods: Beginning	Foods project focused on easy and beginning activities.	
	Foods: Beginning Foods Preservation	In this project youth will learn a variety of food preservation methods while making	
		delicious foods, explore fun facts about nutrition, produce, and history of food	
	1 oous. Degiming 1 oous 1 reservation	preservation and engage in real life applications of science and mathematics such as heat	
		transfer, chemistry, and measuring.	
	Foods: Candy Making	In this project, youth learn about food art and desserts by partnering in the kitchen to	
i	Toous. Candy Waking	plan and create candies. They explore the science, nutrition and history of candy making.	
		In this project, youth learn about foods by partnering with adults in the kitchen to plan	
	Foods: Cooking	and cook food, explore the science, nutrition, and history of cooking while promoting	
		healthy eating and resource management.	
	Foods: Dairy	Foods project focused on dairy products.	
	Foods: International	Foods project focused on international foods.	

Foods: Nutrition	Foods project focused on nutrition.	
	In this project, youth learn about foods by partnering with adults to plan and cook	
Foods: Outdoor Cooking	outdoors. Explore the science of outdoor cooking, through diverse cooking strategies and	
	heating sources while promoting healthy eating and resource management.	
Foods: Preservation	Foods project focused on preservation of foods. For more information:	
roous. Freservation	http://4h.ucanr.edu/Projects/HealthyLiving/Jr Master Food Preserver 4-H Project /	
	Requires County Director and Advisor approval with participation of a Certified Master	
Foods: Junior Master Food Preserver	Food Preserver. Youth must have completed the Beginning Food Preservation Project.	
1 Jours Julion Waster 1 Jour 1 leserver	Youth will extend their knowledge of the science and art of safe home food preservation	
	and to extend this knowledge with others in their communities.	
	This project concentrates on personal health and well-being. Learn how to stay healthy	
Health and Physical Fitness	by understanding basic health concepts. Participate in community health education and	
	learn about different health services and related public misconceptions.	
	This project requires that youth have a foundational understanding of basic nutrition and	
Health and Physical Fitness: Healthy	physical activity. In conjunction with UCCE health and nutrition programs, this project	
Living Advocacy	encourages youth to build on their knowledge to become teachers, public speakers and	
	advocates for healthy living in their communities.	
Health and Physical Fitness:	Mindfulness is the practice of paying attention in the present moment and accepting it	
Mindfulness	without judgement. Being mindful is to experience moments with openness and to be	
	aware of the present.	
Health and Physical Fitness: School	Youth partner with adult leaders to promote health and wellness on their school campus.	
Wellness		
Health and Physical Fitness: Stress	In this project, youth partner with caring adults to explore ways they can reduce and	
Management	manage their stress.	
, , , , , , , , , , , , , , , , , , ,	Yoga is a type of physical activity that combines physical movement with breathing and	
Health and Physical Fitness: Yoga	focused concentration. Youth in the 4-H Yoga project learn breathing exercises, physical	
	postures, and mindful practices that help strengthen the mind and body.	
	Participate in and/or referee any group or individual sport including but not limited to:	
Sports	volleyball, softball, soccer, basketball, football, skiing, sailing, roller-skating, and relays.	
	Participate in boosting public awareness. Subcategories may include: Bowling, Football, Golf, Soccer, and Volleyball.	
	A sports and athletics project can provide youth with the opportunity to build athletic	
	skills and group communication. This project will focus on the fundamentals, skill	
Sports: Bowling	building, history and equipment used to bowl. The goal of this project should be to	
	encourage positive and fun experience with physical activity.	
	A sports and athletics project can provide youth with the opportunity to build athletic	
	skills and group communication. This project will focus on the fundamentals, skill	
Sports: Golf	building, rules and history of the game and equipment used to golf. The goal of this	
	project should be to encourage positive and fun experience with physical activity.	
	A sports and athletics project can provide youth with the opportunity to build athletic	
Sports: Mountain Biking	skills and group communication. This project will focus on the fundamentals, skill	
	skins and group communication. This project will locus on the fundamentals, skill	

		building, history and equipment used to Mountain Bike. The goal of this project should be to encourage positive and fun experience with physical activity.	
	Sports: Soccer	Learn about the basic skills and the safety rules of soccer while learning to understand good sportsmanship.	
	CPR & First Aid	Learn about life-saving methods such as CPR and first-aid. May include certification.	
Personal Safety	Emergency Preparation & Management	Learn about emergency preparation for individuals, families and communities. Projects may make evacuation maps, emergency kits, and certify youth in the Community Emergency Response Team (CERT) process.	
	Safety	Learn to understand and practice the general concepts of personal safety, environmental safety, and public safety. May include self-defense as well as first-aid training.	

# Science, Engineering and Technology

National 4-H Category	Project Name	Description	Primary (age 5-8 years old)
Ag in the Classroom	Ag in the Classroom	Learn about both commercial and non-commercial agricultural practices in a classroom environment. More information about California Ag in the Classroom is available at <a href="https://learnaboutag.org">https://learnaboutag.org</a>	
	Alpacas	Learn about Alpacas, their care and management. May also include information on their use as a wool or pack animal.	Prohibited from enrolling.
	Animal Husbandry	Learn about the historical and current agricultural practice of breeding and raising livestock.	
	Bees	Learn about bees and their care and required equipment. Member may manage one or more hives while learning about the handling and sale of honey and the bee industry.	
	Birds	Learn about birds and their care and management as a part of Avian Science. Birds may be raised for pets, show, breeding, meat, eggs, or sale. Project may include information about commercial practices in birds.	
	Birds: Avian Bowl	Learn, study, and memorize avian facts and become proficient in poultry management and related subjects. Test knowledge through participating in Avian Bowls at the local, statewide, and national level. Resources: <a href="https://avian.ucdavis.edu/">https://avian.ucdavis.edu/</a> & <a href="https://avian.ucdavis.edu/">https://avian.ucdavis.edu/</a> & <a href="https://avian.ucdavis.edu/">https://avian.ucdavis.edu/</a>	
	Birds: Ducks	Avian Science project focused on Ducks.	
	Birds: Emu & Ostrich	Avian Science project focused on Emus and Ostriches.	Prohibited from enrolling.
	Birds: Exotic	Avian Science project focused on Exotic Birds including canaries, finches, budgies, cockatiels, lovebirds, African grays, amazons, macaws, and cockatoos.	
	Birds: Market/Meat Poultry	Avian Science project focused on poultry-meat birds raised for meat production.	

Birds: Market/Meat Turkey	Avian Science project focused on turkeys raise for meat production.	
Birds: Poultry	Avian science project focused on learning about chickens.	
Birds: Quail	Avian Science project focused on Quail birds.	
Birds: Turkey	Avian Science project focused on turkeys.	
Cats	Learn about the care and feeding of household cats. May include management and grooming. Cats may be raised for pets, shows, or breeding.	
Cattle	Learn about the raising, care, and management of cattle. Animals may be raised for meat, show, sale, or breeding. Subcategories include Calf Processing, replacement Heifer, and Veal Calf.	Prohibited from enrolling.
Cattle: Beef	Learn about beef cattle care and management, judging and showing.	Prohibited from enrolling
Cattle: Beef Replacement Heifer	Learn about beef cattle and their care and management. Members may raise animals for meat or for breeding. Ownership is preferred. Opportunities are available for non-owners.	Prohibited from enrolling.
Cattle: Dairy	Learn about dairy cattle, their care and management. Members may raise animals for milk, breeding, or sale as bred heifers. Ownership is preferred. Opportunities are available for nonowners.	Prohibited from enrolling.
Cattle: Dairy Replacement Heifer	Learn the fundamentals of dairy husbandry and management while raising a quality dairy heifer.	Prohibited from enrolling
Cavies	Learn the care, feeding, and management of cavies. Members may raise animals for pets, market, showing, or breeding.	
Dairy Livestock Judging	Learn about dairy livestock animals and how they are judged. Youth will learn about the parts of dairy animals, lactation, and which parts are important for breeding stock or milk production and recognize the most desirable shape of each part. May include, but are not limited to, dairy species such as cows, sheep, and goats.	Prohibited from enrolling
Dog	Learn about dogs, their care, and their feeding. May include obedience training of animal. Subcategories include Agility, Care and Training, and Stock.	
Dog: Agility	Learn about guiding dogs through obstacle courses against time without touching the dogs or obstacles, dog training and showing skills.	
Dog: Care and Training	Learn the care, feeding, management, and obedience training for dogs.	
Dog: Stock Dog	Learn about dogs, their care, and their feeding. May include obedience training of animal. This project is dedicated to the dog breeds that have been trained in herding or belong to breeds that are developed for herding.	
Equine: Beginning Horsemanship	Learn the basics of horse showmanship, equipment, arena etiquette and horse show equipment, English/Western walk, jog/trot, lope/canter with leads, Back-up, side pass, legalds/cues, trail courses and more.	Prohibited from enrolling.
Equine: Drill	Learn about equestrian drill. Also known as quadrille, this project focuses on a choreographed dressage ride, commonly performed to music, which is often compared to an equestrian ballet or to a drill team.	Prohibited from enrolling.

Equine: English	Learn about the English riding discipline and prepare for local, statewide, and national horseshows.	Prohibited from enrolling.
Equine: Gymkhana	Learn about and become prepared for gymkhana events held at local, statewide, and national horseshows.	Prohibited from enrolling.
Equine: Hippology/Judging	Hippology focuses around four phases: horse judging, written examination and slide identification, ID stations and team problem solving. The goal for this project is to prepare members for state and national contests. *Insert link*	Prohibited from enrolling.
Equine: Horse & Ponies	Learn how to care for, feed, and ride a horse of pony. The animal may be either owned or leased. Handicapped riding and the "horseless project" (learning about equines without access to one) are offered in some counties. Subcategories of this project include Breeding, Draft, Drill, Judging, Driving, English, Gymkhana & Dressage, Miniature, Trail Riding, and Western. More information on California 4-H Horse projects is available at <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/EquineEducation/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/EquineEducation/</a> .	Prohibited from enrolling.
Equine: "Horseless" Horse	This project is for youth who don't have horses, but wish to learn about them. Learn how to care for, feed, and ride a horse or pony.	Prohibited from enrolling
Equine: Miniature	Learn about the care and management of miniature, "mini", horses. Minis are defined as 34 inches or smaller at the withers.	Prohibited from enrolling.
Equine: Trail	Learn about and become prepared for trail events held at local, statewide, and national horseshows. In this project horses must work on a loose rein through and over obstacles.	Prohibited from enrolling.
Equine: Western	Learn about the western riding discipline and prepare for local, statewide, and national horseshows.	Prohibited from enrolling.
Goats	Learn about goats and their general care, management, and various uses. Members may raise animals for pets, breeding, sale, or show. Subcategories include Pygmy, Pack, and Nigerian.	Prohibited from enrolling.
Goats: Angora	Learn about angora goats and their care and management. Members may use animals for marketing, breeding, or for angora wool.	Prohibited from enrolling.
Goats: Breeding	In the goat breeding project members will learn about the basic principles of animal husbandry by owning, caring for and keeping records on their goat(s). They will demonstrate knowledge of animal health and biosecurity.	Prohibited from enrolling.
Goats: Dairy	Learn about dairy goats, their care and management. Members may raise animals for market, milk, or breeding. Opportunities are available for non-owners and owners alike.	Prohibited from enrolling.
Goats: Goatless Goats	This project is for youth who don't have goats but wish to learn about them. Learn how to care for, feed, and manage goats.	Prohibited from enrolling.

Goats: Meat	Learn about meat goats and their care and management. Animals may be raised for meat, show, sale, or breeding.	Prohibited from enrolling.
Goats: Nigerian	Goat project focused on Nigerian dwarf goats.	
Goats: Pack	Goat project focused on pack goats.	Prohibited from enrolling.
Goats: Pygmy	Goat project focused on pygmy goats.	
Guide Dogs and Service Animals	Raise a puppy for Guide Dogs for the Blind, Inc., or a similar association. Applications are required and may be obtained through the 4-H office. <a href="http://4h.ucanr.edu/Projects/Project Sheets/">http://4h.ucanr.edu/Projects/Project Sheets/</a>	
Herpetology	Learn about the care and characteristics of a variety of reptiles and amphibians. If they choose, members may care for one of these as a pet.	
Livestock Judging	Learn how to judge various species of livestock according to breed or market specifications.  May include, but are not limited to, species such as Cow, Horse, Sheep, Goat, Swine, Turkey, Chicken, Rabbit, Cavies, and Dogs. May include instruction in carcass and egg judging. <a href="http://4h.ucanr.edu/Projects/STEM/SET">http://4h.ucanr.edu/Projects/STEM/SET</a> Projects/Animal/SLJC/	Prohibited from enrolling.
Llamas	Learn about llamas and their care and management. May include information on their use as pack or wool animals.	Prohibited from enrolling.
Pets and Small Animals	Learn about, care for, and train pets and small animals such as cats, hamsters, birds, and rats.  May include breeding and sale.	
Rabbits	Learn the care, feeding, and management of rabbits. Members may raise animals for pets, fur, show, or breeding.	
Rabbits: Agility	Learn how to train rabbits to hop through a course of jumps, as well as other obstacles similar to the ones used for dog agility.	
Rabbits: Breeding	Learn about rabbit genetics, types of breeding programs, and care and management of breeding rabbits, including identifying all rabbits, utilizing hutch cards and other types of records.	
Rabbits: Market/Meat	Learn the care, feeding, management, and breeding of rabbits raised for meat production.	
Reptiles	Learn about the care, feeding, and management of various species of reptiles. These species may include Snakes, Turtles and Tortoises, and Lizards.	
Sheep	Learn about the care and management of sheep. Members may raise animals for pets, show, wool, breeding, or sale. Ownership is preferred.	Prohibited from enrolling.
Sheep: Breeding	Learn about the care and management of breeding sheep. Members may learn, but are not limited to, the genetics involved in breeding, the care and management of in-lamb ewes and ewes after lambing, and AI practices.	Prohibited from enrolling.
Sheep: Diary	Learn about dairy sheep, their care and management. Members may raise animals for market, milk, or breeding. Opportunities are available for non-owners and owners a	Prohibited from enrolling

	Sheep: Market	Learn about the care and management of market sheep. Members may raise animals for market or show.	Prohibited from enrolling.
	Swine	Learn about the care and management of swine. Members may raise animals for pets, show, sale, or breeding. Ownership is preferred.	Prohibited from enrolling.
	Swine: Breeding	Learn about the care and management of breeding swine. Members may learn, but are not limited to, the genetics involved in breeding swine, the care and management of furrowing sows and boars, and AI practices.	Prohibited from enrolling.
	Swine: Market	Learn about the care and management of market swine. Members may raise animals for market or show.	Prohibited from enrolling.
	Therapeutic Animals	Learn about the care and training of therapeutic animals. Members may be training or assisting with a therapeutic animal during the animal's working hours.	Prohibited from enrolling if using large animals.
	Embryology	Learn about the stages in the development of an egg embryo. Members may hatch eggs and study the development at regular intervals, preserve embryos and make reports.	
	Entomology	Learn to collect, identify, and possibly mount insects. Learn about insect's individual traits and habitats, and their relationship with humans in their uses and control.	
Biological Sciences	Marine Biology	Learn about marine biology including plant and animal life in the ocean. Marine science focuses on biological aspects of the ocean while oceanography focuses on the geological and meteorology aspects.	
	Veterinary Science	Learn about the range of behavior and characteristics of a normal animal. Learn about diseases, their causes and prevention, and precautions to control those diseases that affect humans.	
	Veterinary Science: Biosecurity	The goal of this project is to teach participants how to keep themselves and their animals safe in a variety of situations.	
	Zoology	Learn about animals, their classification and physical traits. May include learning about habitats and animal interactions with humans.	
	Child Development and Care	Learn how children grow and respond, and how to care for children and build relationships with small children. Appropriate activities for 10- and 11-year old boys and girls are included as well as activities for the early and mid-teens.	
Consumer and	Child Development and Care: Babysitting	Learn how children grow and respond, and how to care for children and build relationships with small children. This project will focus on the safety, training and care needed to be a babysitter.	
Family Sciences	Clothing & Textiles	Members will not only learn the basics of clothing and other project construction, but also explore purchasing, selection, appearance, and care of clothing and textile.	
	Clothing & Textiles: Beginning Sewing	In this project, youth learn about textiles, fashion and personal style and partner with adults to design and create sewn clothing and accessories. The 4-H sewing project may include sewing, design, clothing repair and more. This project is geared to youth just beginning to explore sewing projects.	

	In this project, youth learn about textiles, fashion and personal style. They partner with adults	
Clothing & Textiles: Sewing	to design and create sewn clothing and accessories. The 4-H sewing project may include	
	sewing, design, clothing repair and more.	
	In this project, youth learn about quilting. They partner with adults to design and create quilted	
Clothing & Textiles: Quilting	items. The 4-H quilting project may include quilt design, learning about quilting patterns,	
	piecing, quilting, hand quilting, machine quilting, color coordination and much more.	
Company Edwardian	For the member who is interested in wise purchasing for themselves and others. Members will	
Consumer Education	learn to balance needs, wants, and resources by setting priorities and weighing alternative.	
	Introduces members to the idea and basics of modeling a piece of clothing or accessory in front	
Fashion Revue	on an audience. Items need not be made by member in some cases. May include the	
rashion Revue	attendance of a Fashion Revue.	
	https://ucanr.edu/sites/sfd/Competitions/State Fashion Revue/	
Fiber Arts	May include any craft which uses fiber as its main point. May include project such as felting or	
Fiber Arts	weaving.	
	In this project, youth learn about crocheting through the exploration of fiber arts, fashion and	
Fiber Arts: Crochet	personal style. They partner with adults to design and create crocheted creations. The 4-H	
	crochet project may include design, crocheting, application of new techniques and more.	
	In this project, youth learn about knitting through the exploration of fiber arts, fashion and	
Fiber Arts: Knitting	personal style. They partner with adults to design and create knitted creations. The 4-H knitting	
	project may include design, knitting, application of new techniques and more.	
Flower Arranging	Learn how to tastefully arrange flowers and other objects for use as decoration.	
	Learn about current and various hair styles and develop knowledge about professional hair	
Hair Styling	styling. Youth will gain hands on knowledge about hair styles, techniques and be given the	
	opportunity to practice to improve their skills.	
	Home management utilizes the same principles that are applied in business or to our personal	
Home & Personal Management	life. All of us make decisions, establish priorities, set goals, and chart progress with records.	
	Members will learn how to make effective use of limited resources to reach goals.	
	Home Arts covers a wide array of projects where youth can learn arts & crafts, sewing, fiber	
Home Arts	arts, cooking, cake decorating, food preservation, photography, table settings, and much more	
	in one project.	
	Learn to embrace home arts, home furnishings, and refinishing furniture. Members may also	
Home Arts & Furnishings	learn how to best incorporate color, light, design, space, and texture in a living space to	
	optimize comfort and appearance.	
Home Arts: DIY (Do It Yourself)	Learn how to recycle household items into updated or imagined items. Tools and supplies	
Home Arts. Bit (Both roursell)	needed vary on the project activity.	
Needlework	Learn the art, process, or product of working with a needle, especially in embroidery,	
	needlepoint, tapestry, quilting, lace making and appliqué.	
Quilting	Members learn how to design and assemble a quilt using machine or hand methods. May	
Cunting	include guidance in selecting fabrics and patterns.	
Table Setting	Members learn how to properly set and display a table for both formal and non-formal	
Tubic Setting	situations. May include a section on proper etiquette.	

	4-H Camping (Overnight)	Members learn how to safely camp overnight in varying terrains. May include an overnight trip.	
		More information on California 4-H camps is available at	
		http://4h.ucanr.edu/Programs/Camps/	
	Astronomy	Learn about celestial bodies and migrations. Members will discover constellations and seasonal	
		changes. May include a short course on telescopes.	
	Climatology	Study the climate and other atmospheric sciences in a 4-H climatology project.	
	Climatology: Climate Science	In this project youth will study climatology and how prevailing weather conditions in specific	
		geographic regions change over years, decades, centuries, and eras, affecting the plants,	
		animals, and other life in the region.	
		Stewardship is an ethic that embodies cooperative planning and management of	
	Environmental Stewardship	environmental resources with organizations, communities and others to actively engage in the	
	Liivii Oiliileiitai Stewardsiiip	prevention of loss of habitat and facilitate its recovery in the interest of long-term	
		sustainability. <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/EE/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/EE/</a>	
	Fishing and Fly Tying	Members learn the delicate art of tying flies for fishing. Fishing methods taught may vary from	
	risining and riy Tying	fly fishing to deep sea fishing to lake fishing.	
		Forestry is the science of managing forests. Learn about planting and growing trees, the use of	
	Forestry	timber, wildlife habitat, recreation, landscapes, watershed management, erosion control and	
		many other forest ecosystems concepts.	
		Learn about ocean currents, waves, plate tectonics and geology of the sea floor. Marine	
	Oceanography	science focuses on biological aspects of the ocean while oceanography focuses on the	
th		geological and meteorology aspects.	
	Outdoor Adventure	Includes, but is not limited to any of the following; camping, rock climbing, canoeing,	
		mountaineering, first aid, outdoor cookery, topographic map reading, and outdoor survival.	
	Outdoor Adventure: Camping	Camping provides opportunities to be get out and enjoy the outdoors while spending time in	
		interesting, inspiring, and/or beautiful landscapes. Youth partner with adult leaders to explore	
	outdoor Adventure: camping	natural landscapes, human impacts on the environment, outdoor safety, setting up camp	
		spaces and eating healthy in the outdoors.	
		Hiking provides opportunities to be active while spending time in interesting, inspiring, and/or	
	Outdoor Adventure: Hiking	beautiful landscapes. Youth partner with adult leaders to explore natural landscapes, human	
		impacts on the environment, outdoor safety, and eating healthy in the outdoors.	
		Project Learning Tree uses trees and forests as windows on the world to increase students'	
		understanding of the environment and actions they can take to conserve it. It helps develop	
	Project Learning Tree	students' awareness, knowledge, and appreciation of the environment, builds their skills and	
		ability to make informed decisions, and encourages them to take personal responsibility for	
		sustaining the environment. <a href="https://www.plt.org/alignment-to-standards/nonformal/4-h">https://www.plt.org/alignment-to-standards/nonformal/4-h</a>	
	Science Literacy	A project aimed to teach scientific concepts to youth and increase their scientific literacy.	
	Science Literacy	http://4h.ucanr.edu/Projects/Project_Sheets/	
		Citizen science is public participation in scientific research in collaboration with scientists in	
	Science Literacy: Citizen Science	community-driven research or global investigations and includes asking questions, formulating	
		a hypothesis, collecting and reporting data, interpreting the results and asking more questions,	
		and reporting the results to the community.	

Environmental Education and Earth Sciences

	Science Literacy: Making &	Youth will plan, design, and make technology-based projects, emphasizing playful tinkering,	
	Tinkering	problem solving, and engineering design.	
	Science Literacy: Social Science	Social sciences are the studies of society and humans, with fields in anthropology, communication, education, history, geography, linguistics, political science, psychology, health, and sociology. Youth will raise questions, gather, analyze, discuss, display, and communicate data.	
	Science Literacy: STEM	This project introduces youth to important concepts through engaging in reasoning skills to help improve attitudes for interest in STEM.	
	Soil & Water Conservation	Learn to understand the importance of soil and water conservation in everyday living. Included will be a study of our renewable and non-renewable resources and how they affect our quality of life.	
	Wildlife	Learn about local and exotic wildlife, their habitat, and value to ecosystem and economics.  Includes information on the conservation of wildlife. May include work with a relocation/rehabilitation program.	
	Wildlife: Birding/ Bird Watching	Build a basic working knowledge of birds, their habitat, and their biology and ecology. Observe, identify, and distinguish general types of birds.	
Physical Sciences	Energy Management	Learn about limited and renewable sources of energy. Learn uses, impacts, costs, and management of both traditional and alternative energy forms.	
Physical Sciences	Geology	Learn about the study of solid and liquid matter constituting the Earth. May include learning about minerals, jewelry, and field trips to geologic formations.	
	Aquaponics	Learn to grow fish and plants in an aquaponics system. May include different system designs, planning and setting up a system, selecting fish and plants, and system management.	
	Field Crops and Management	Learn to grow and market any commercial type of field or row crop. May include some information on commercial methods and environmental issues.	
	Field Crops and Management: Sustainable Agriculture	In this project youth may explore different perspectives in sustainable agriculture, discover major challenges in the future of agriculture, form their own opinions of agricultural methods, and learn how their decisions can affect the future of agriculture.	
	Fruits, Nuts and Berries	Learn to grow and market any fruit crop. May include information on commercial methods and environmental issues.	
Plant Science	Indoor and Mini Gardens	Learn to grow indoor plants and terrariums as well as patio plants and pot gardening of flowering or fruit-bearing plants.	
	Junior Master Gardener	Junior Master Gardener program cultivates leadership and volunteerism by utilizing fun, hands- on horticultural projects. http://4h.ucanr.edu/Projects/STEM/SET_Projects/Gardening/	
	Ornamental Gardening	Learn flower growing, home landscaping, and growing and caring for lawns, ground covers, shrubs and trees. This project includes all ornamental plants grown outdoors.	
	Plant/Horticulture Judging	Increase knowledge of horticultural plants and horticultural/plant science techniques and expand personal ability to identify various plants. This project prepares youth to participate in CA 4-H State Field Day in the Plant Science competition <a href="https://ucanr.edu/sites/sfd/Competitions/Plant_Science/">https://ucanr.edu/sites/sfd/Competitions/Plant_Science/</a>	
	Plant Science	Learn about how plants grow, reproduce, evolve, and adapt, as well as how plants are used for food, fiber, and ornamental purposes.	

	Sugarbeets	Learn to grow and harvest plots of beets to test agricultural practices or for use as a	
		commercial crop or in show.	
	Vegetable Gardens	Learn to grow vegetables and/or market crops. This includes organic gardening.	
	Vegetable Gardens and Crops: Gardening	In this project, youth will learn how to plan, plant, maintain and cultivate their own plant life for beauty, health and cuisine. This project will give youth an opportunity to learn that plants play a vital role for animals and humans.	
	Aerospace & Rocketry	Learn about one of more of the categories. May include designing, building, or demonstrating flying or non-flying gliders, airplanes, or rockets.	
	Aerospace & Rocketry: Aviation	This project will focus on aviation. Members will learn about the flying and operating of aircrafts.	
	Aerospace & Rocketry: Drones	This project will focus on drones. May include designing, building, or demonstrating flying of drones.	
	Aerospace & Rocketry: Model Airplanes	This project will focus on Model Airplanes. May include designing, building, or demonstrating flying of the model airplanes.	
	ATV & Dirt Biking	Learn the care and maintenance of ATV's and dirt bikes, as well as safety practices. May include the planning and implementation of an excursion. 4-H Clover Safe Note on All Terrain Vehicle Safety and California ATV age and safety laws may be found at: <a href="https://ucanr.edu/sites/safety/files/1567.pdf">https://ucanr.edu/sites/safety/files/1567.pdf</a>	Prohibited from enrolling.
	Automotive	Learn safety in the care and use of the automobile. May include maintenance and repairs, cost and responsibilities of car ownership, and driving skills.	
	Bicycles	Learn the care and maintenance of bicycles, as well as safety practices. May include the planning and implementation of a bicycle excursion.	
Technology and	Coding	Learn coding basics and build coding skills. May include Scratch, Java, Python.	
Engineering	Coding: Beginning	Great for beginning coders, this project is designed for those new to computer coding, and using technology.	
	Coding: Python	Learn Python basics and improve coding skills. Python is free, easy to download, and a relatively straightforward programming language to work with.	
	Coding: Scratch- Game Design	Learn how to create games in Scratch. For those familiar with introductory Scratch or just learning to code. Scratch is a visual programming language designed for youth embarking on a quest to master computer science.	
	Computer Science: Unplugged	Learn computer science and the fundamentals of computer programming without requiring devices, electricity, or internet access, using resources like <a href="https://csunplugged.org">https://csunplugged.org</a> .	
	Website Design	Members learn how to design an website using either code or a specific program. May include a short section on graphic design and website management.	
	Computers & Internet	Learn about computer hardware and software. Projects may focus on specific software packages, general computer maintenance, or computer hardware identification and upgrading.	
	Construction & Building	Learn about general construction and engineering principles. Projects may focus on small or large construction activities and members will learn about how to design and build.	
	Electricity & Electronics	Learn the fundamental of electricity and its application as a source of energy and power. Learn to build and maintain electronics of varying complexity.	

Farm Machinery	Learn to maintain and safely operate tractors and farm machinery or equipment.	Prohibited from enrolling.
General Engineering	This project may be used as a catchall to include such things as drafting, home repairs, concrete work, general engineering, mechanical drawing and other industrial education, and mechanical science activities.	
GIS/GPS	GPS is a navigational system that can accurately locate your position. GIS is a computer program for storing, retrieving, analyzing and displaying spatial data. Projects may focus on one or both or introduce members to geo-caching.	
GIS/GPS: Geocaching	Geospacial refers to the position of things on the earth's surface. Youth will learn about the adventure and skill of Geocaching as a real world, outdoor treasure hunting experience using GPS-enabled devices to navigate to a specific set of GPS coordinates to find the cache. The 4-H geocaching project may include leaning to navigate with GPS coordinates; field trips to cache sites; learning to make your own cache and more.	
GIS/GPS: Geospatial	Geospatial refers to the position of things on the earth's surface. Youth will learn about the history of cartography, use a GPS system to record and find geospacial coordinates, learn about multiple GPS systems including latitude and longitude, UTM, or UPS, and learn to read, understand, and design maps on both paper and using GIS software.	
LEGO® Robotics	Learn about robotics programming using LEGO® Mindstorms® EV3 technology.	
Legos	Learn to use LEGOs creatively to construct various builds, which will help develop skills in logical mathematical thinking, scientific reasoning, computational thinking, and problem solving.	
Metal Working	Learn to safely operate a gas or electric welder over the course of several projects.	
Metal Working: Welding	Welding's usefulness can be applied to many areas of life through learning how to safely use tools to weld and complete metal working projects. The welding project teaches the full scope of welding practices and safety to design and create metal work projects.	
Robotics	Learn about the science and technology of robots and their design, manufacture and application.	
Robotics: Making & Tinkering	Plan, design, and make technology-based projects, emphasizing playful tinkering, problem solving, and engineering design.	
Shooting Sports: Archery	Members will learn how to safely operate and maintain archery equipment, as well as learn how to shoot. This project may include bow-hunting or target practice, and often includes competitions. 4-H Archery projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
Shooting Sports: Hunting	Learn to safely operate and maintain guns and equipment. This project may include target practice, hunting, or competitions. Participants may engage in multiple disciplines while learning about hunting, including Archery, Muzzle Loading, Pistol, Rifle, and Shotgun. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit:  http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/	Prohibited from enrolling.

	Shooting Sports: Muzzle Loading	Learn to safely operate and maintain guns and equipment. This project may include target practice, hunting, or competitions. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
	Shooting Sports: Pistol	Learn to safely operate and maintain guns and equipment. This project may include target practice, hunting, or competitions. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit: <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
	Shooting Sports: Rifle	Learn to safely operate and maintain guns and equipment. This project may include target practice, hunting, or competitions. Subcategories include Hunting, Muzzle Loading, Pistol, Rifle, and Shotgun. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit: <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
	Shooting Sports: Shotgun	Learn to safely operate and maintain guns and equipment. This project may include target practice, hunting, or competitions. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit: <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
	Shooting Sports: Western Heritage	Learn to safely operate and maintain replica firearms and archery equipment of the frontier period (1860-1900), while expanding knowledge of U.S. history. This project may include target practice, hunting skills, competitive events or living history. 4-H Shooting Sports projects may only be led by a 4-H-certified adult 4-H volunteer or staff. For more information please visit <a href="http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/">http://4h.ucanr.edu/Projects/STEM/SET_Projects/ShootingSports/</a>	Prohibited from enrolling.
	Small Engines	Learn about the care and use of a 2-cycle and 4-cycle gasoline and diesel engines in all home, farm, or recreational situations - from lawn and garden equipment, to boats and motorcycles.	
	S.T.E.M.	Learn important concepts through engaging in reasoning skills to help improve attitudes for interest in STEM.	
	Video Production	Learn about the science of videotaping, editing and distributing a finished product.	
	Woodworking	Learn to design, build and finish a wooden item. Learn the safe use and care of woodworking tools and equipment.	