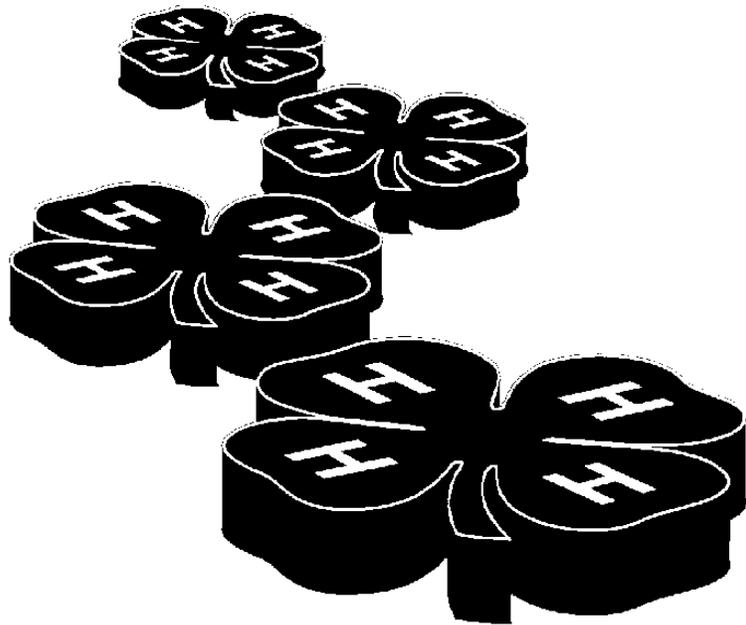


A-H Projects



AQUATIC SCIENCE	Aquatic Science explores aquarium fishes, aquatic ecology and water resources.
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Competitions: Recordbook

AUTOMOTIVE	Topics include driver responsibility, power, tires, car selection, operating costs, trip planning and accident causes and prevention.
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Competitions: Science & Technology Recordbook

BEEF	Explores beef cattle breeding, feeding, reproduction, health, meats, marketing and economics. Market steers are purchased at 6 to 9 months of age and fed for about 10 months or until ready for slaughter at 1,200 to 1,300 pounds. Beef heifers can be purchased at weaning (6 months old) and bred so they will calve at 24 to 26 months of age. Records are kept on daily gain and price per pound.
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Competitions: Local Livestock Shows, County Livestock Shows, Major Livestock Shows, Area Jack-Pots, Recordbook, Livestock Judging

BICYCLE	Focuses on healthy lifestyles an adventure with bicycles. Project includes ease of use, preventive maintenance and repair.
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Competitions: Science & Technology Recordbook

BIOLOGICAL SCIENCES	Focuses on the physiological aspect of plants and animals, from single cell organisms to mammals. Includes investigation of biotechnology and genetic discovery.
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Competitions: Science & Technology Recordbook

CITIZENSHIP	Doing your part, following the rules, serving your community, knowing how to make a difference—these are the qualities of good citizens. Through this project, 4-H'ers become well informed, productive members of society. Community service is included here.
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Competitions: Recordbook

CLOTHING & TEXTILES	A clothing and textiles project helps you develop a variety of skills, including clothing selection, care, purchase and construction. You will also learn about career options through the study of clothing and textiles and related activities. This project also includes fashion design.
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Competitions: Fabric and Fashion Design, Fashion Show, Fashion Follies, Method Demonstration/Illustrated Talk, Recordbook

COUNTY GOVERNMENT	Youth gain broad knowledge of the origin, purpose, and structure of county government in Texas. Additional topics include law enforcement, the judicial system, county finances, the election
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process, and facts about individual counties in Texas.

Competitions: Citizenship & Civic Education Recordbook

COMPANION ANIMALS Participants learn about the selection and care of a companion animal; the maintenance and production of companion animals; the responsibilities of having a companion animal; the importance of keeping accurate records; and the importance of citizenship, sportsmanship and cooperation.

Competitions: Plants and Animals Recordbook

COMPUTER SCIENCE Focuses on interaction with computers, use of software, development of software programs and using the internet.

Competitions: Science & Technology Recordbook

CONSUMER LIFE SKILLS Participants learn to make wise decisions when shopping. Project activities also focus on the economy, money management, consumer rights and responsibilities, and the environment.

Competitions: Consumer Decision-Making, Method Demonstration/Illustrated Talk, Consumer Education Recordbook

DAIRY CATTLE Raising a dairy project is a great way to learn more about the dairy industry and milk production, as well as animal nutrition, health and reproduction. Dairy project participants can demonstrate their knowledge and abilities through dairy cattle shows from the local to national level, in public speaking contests, and in dairy cattle judging.

Competitions: Dairy Cattle Judging, Major Livestock Shows, Dairy Recordbook

DOG CARE & TRAINING Participants learn the care, training and production of dogs.

Competitions: State Dog Show, Plant and Animal Recordbook

ELECTRIC An electric project may deal with the development, use and conservation of energy, the construction of energy-producing facilities, or any related topics.

Competitions: Energy Management Recordbook

ENERGY Deals with energy development, use, construction, conservation and other topics.

Competitions: Energy Management Recordbook

ENTOMOLOGY Youth become familiar with the insect world by studying,

collecting and identifying various insects. Discover how helpful and harmful insects live, multiply, are controlled, and affect humans.

Competitions: Entomology Identification, Entomology Recordbook

EXOTIC ANIMALS	This project incorporates animals that would be considered “diversified agriculture,” such as ratites and reptiles. Although not limited to these two, most 4-H members participating in the project have animals that would fit in these two categories. Focus of the project includes production and marketing.
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Competitions: Plant and Animal Recordbook, Companion Animal Method Demonstration/Illustrated Talk

FAMILY LIFE	Youth increase their knowledge and gain skills regarding family issues such as care of young children, working with older adults, preparing for marriage, and relating to others. Vocational choices and career preparation are also covered in this project.
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Competitions: Method Demonstration/Illustrated Talk, Recordbook

FIELD AND STREAM	This broad program involves hunting, fishing, camping, natural history, outdoor cookery and related activities.
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Competitions: Environmental Sciences Recordbook

FOOD & NUTRITION	The food and nutrition project helps participants learn to make healthy food choices, improve energy and alertness, reduce disease and illness risks, and gain knowledge of nutrients. Major learning experiences are centered around nutrition, menu planning, food buying, preparation and food safety, careers, and cultural influences.
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Competitions: Food Show, Food & Nutrition Quiz Bowl, Method Demonstration/Illustrated Talk, Recordbook

FORESTRY	Stresses general forestry knowledge, tree identification, insect and disease identification, compass and pacing, and judgement about land management decisions.
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Competitions: Recordbook

GOATS (DAIRY)	Participants learn about the production of milk, cheeses and other quality products targeted for niche markets. The project involves raising animals and learning about showmanship, judging, sportsmanship and leadership.
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Competitions: Dairy Goat Judging at Prairie View A&M University, Major Livestock Shows, Recordbook, Sheep/Goat Method Demonstration/Illustrated Talk

GOATS (HAIR)	Involves raising and caring for animals. Youth learn animal health, nutrition, breeding, selection and marketing. Youth may also participate in mohair judging contests. The 4-H goat project offers outstanding opportunities for individuals to gain experience in decision-making, record-keeping, responsibility and leadership.
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Competitions: Wool Judging, Mohair Judging, Major Livestock Shows, Sheep/Goat Method Demonstration/Illustrated Talk, Recordbook

GOATS (MEAT)	Project involves raising and caring for live animals while learning about animal health, nutrition, breeding, selection, and marketing. The 4-H goat project offers outstanding opportunities for individuals to gain experience in decision-making, record-keeping, responsibility, sportsmanship and leadership.
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Competitions: Sheep/Goat Method Demonstration/Illustrated Talk, Recordbook

HEALTH	Teaches youth how to improve physical, intellectual, emotional and social health. It also focuses on community health resources and how to use the healthy care systems in the community. Safety concerns related to health issues, such as first aid and passenger safety, are also addressed.
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Competitions: Method Demonstration/Illustrated Talk, Recordbook

HORSE	The horse project offers activities in horsemanship, horse development, management and training.
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Competitions: Horse Quiz Bowl, Method Demonstration/Illustrated Talk, Horse Judging, Horse Show

HORTICULTURE	A hands-on project that incorporates community and volunteer service with learning about plant growth, environmental horticulture and ecology, fruits and nuts, landscape design, soils and water, insects and diseases, vegetables and herbs, and life skills and career exploration.
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Competitions: Method Demonstration/Illustrated Talk, Gardening & Horticulture Recordbook

HOUSING	Learn and apply principles of design and function to make the home more attractive, safe, and comfortable for all family members. The project also teaches the importance of efficient energy usage as it relates to housing, home equipment, and waste management.
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Competitions: Method Demonstration/Illustrated Talk, Recordbook

LEADERSHIP Leadership is the ability to help yourself and other people achieve goals through guidance and influence. The leadership project helps young people learn and practice leadership life skills. Learning and practicing leadership life skills is also a part of every 4-H project.

Competitions: Recordbook

MEAT SCIENCE Youth will learn to identify various cuts of meat, and determine the relative quality of wholesale and retail cuts of meat.

Competitions: Meat Judging, Method Demonstration/Illustrated Talk, Science & Technology Recordbook

PHOTOGRAPHY The photography project encourages self-expression and teaches proper use of photographic equipment and developing processes. Photography provides opportunities for career exploration and promoting 4-H.

Competitions: County/State Photography Contest, Recordbook

POULTRY Members learn poultry production and marketing by managing poultry projects. Project topics include broilers, capons, turkeys, egg production, and development from egg to chick.

Competitions: Major Livestock Shows, Recordbook

PUBLIC SPEAKING This project develops and promotes the skills needed to research, organize and present a speech on a given topic. In addition, participants develop a pleasing personal appearance and acquire the ability to speak convincingly in public. Method demonstrations, illustrated talks and share-the-fun are also included in this project.

Competitions: Public Speaking Contest, Recordbook,

RABBITS Participants learn proper methods of caring for, raising, breeding and marketing rabbits. There are three project options: Market Rabbit Project (breeding and raising rabbits for meat); Rabbit Breeding Project (breeding and raising rabbits for desired or unique characteristics); and Pet Project (maintaining rabbits for companionship).

Competitions: State Rabbit Show, County Jack-Pot, Major Livestock Shows, Companion Animal Method Demonstration/Illustrated Talk, Recordbook

RANGE SCIENCE Develops knowledge and skill in practical range and ranch management.

Competitions: Range & Pasture Grass Identification, Range Evaluation, Range

Management Recordbook

RECREATION	This fun project teaches leadership and life skills through project development. Youth learn how to lead quiet games, active games, songs, ceremonials, party planning and much more. Emphasis is on building leadership skills communication and teamwork through experiential learning.
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Competitions: Recordbook

SAFETY	Participation in the safety project helps youth reduce accidents and injuries by recognizing and correcting safety hazards. This project can be a stand-alone project or a component of various other projects.
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Competitions: Method Demonstration/Illustrated Talk, Recordbook

SHEEP	Youth care for live animals while learning about animal health and nutrition, breeding, selection and marketing. In the 4-H sheep project, individuals learn decision-making, record-keeping, responsibility, sportsmanship and leadership. They may participate in market projects, breeding projects and non-competitive projects.
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Competitions: Local/County/Major Livestock Shows, Sheep/Goats Method Demonstration/Illustrated Talk, Livestock Judging, Recordbook

SHOOTING SPORTS	A comprehensive introduction to shooting safety and the fundamentals of archery, hunting, muzzle-loading, pistol, rifle and shotgun. The project includes an introduction to a wide array of shooting games, and wildlife ecology and behavior. Strong youth development approach based upon long-term mentorship and low youth/adult ratios. Family involvement activities and programs for youth of all ages and socio-economic backgrounds.
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Competitions: Shooting Sports Extravaganza, Silhouette Match, Postal Leagues, Rifle, Trap & Skeet, Recordbook

SMALL ENGINES	Project encourages youth to develop mechanical skill through a study of 2 and 4 stroke cycle, small gasoline engines.
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Competitions: Science & Technology Recordbook

SPORTFISHING	A comprehensive introduction to fishing and related activities. This project is suitable for beginners or experts interested in both fresh-water and saltwater sportfishing. There is a mentorship approach and long-term adult/youth interaction.
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Competitions: Recordbook

SWINE Participants learn proper methods of selecting, feeding, raising, breeding, and marketing swine. Either market or breeding animals can be raised.

Competitions: Local/County/Major Livestock Shows, Livestock Judging, Pork Method Demonstration/Illustrated Talk, Recordbook

VETERINARY SCIENCE Deals with techniques and procedures involved in caring for animals. Includes learning how veterinarians are most effective.

Competitions: Recordbook

WOOD SCIENCE This project encourages members to gain practical skill in making useful items from wood. Participants learn to use and maintain a variety of tools and equipment.

Competitions: Science & Technology Recordbook
