To create your own project. Research a sport, hobby, or career—the sky is the limit.

Learning by Doing: Identify and pursue a personal passion or interest; set goals and evaluate the completion of your goals; and enjoy your hobby, interest, or activity with others.

Sheep

The sheep project can be a great way to learn about the sheep industry and how to safely rear the animals. Sheep are raised in various disciplines and can be raised for sale, meat, and fibers. Sheep are versatile animals that require care and attention. In this project, you'll learn about the different breeds of sheep and their uses; manage and train sheep for show; learn safe shooting procedures and safety practices for raising and handling sheep; and learn about the value of sheep to the industry and the role of sheep in society.

SpaceTech

Build model rockets, robots, and explore space. Learn about navigation, space travel, and the technology behind space exploration. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Astronomy

Study the history of telescopes; learn about the different types of telescopes; build a simple telescope; learn about the stars and planets; learn about the solar system; and learn about the history of astronomy.

Rocketry/Aerospace

Design and build a model rocket; work together with other team members to design and build a model rocket. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Market Lamb

Select, raise, and show a market lamb. Learn about the different breeds of sheep and their uses; manage and train sheep for show; learn safe shooting procedures and safety practices for raising and handling sheep; and learn about the value of sheep to the industry and the role of sheep in society.

Breeded Swine

Select, raise, and show a breeding gilt. As you learn about the different breeds of swine and their uses; manage and train swine for show; learn safe shooting procedures and safety practices for raising and handling swine; and learn about the value of swine to the industry and the role of swine in society.

Wildlife

Learn the importance of wildlife conservation; study the different types of wildlife; learn about the different types of wildlife; and learn about the importance of wildlife in society.

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Woodworking

Learn the importance of woodworking; study the different types of woodworking; learn about the different types of woodworking; and learn about the importance of woodworking in society.

Beef

The beef project is a great way to learn about raising, caring for, and managing beef cattle. Begin with a bucket calf and build your own herd. In this project, you'll learn about the different breeds of beef cattle; parts of the animal; how to handle and care for your animals; and judge beef cattle for market and/or breeding; how to produce high quality beef; and how to use data and technology in an efficient beef cattle operation.

Beef Cattle Buck

This project is open to 7-12-year-old youth. Calves may be purchased or orphaned but are to be fed by bucket feed. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Market Beef

Select, raise, and show a market steer or heifer. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Breeding Beef

Select, raise, and show a breeding heifer. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Dairy Cattle

In the Dairy project, you'll learn about raising, caring for, and managing dairy cattle. Older 4-H members with mature cows learn about management in Action in Topeka; attend Citizenship and Service in Action in Topeka; and then get a good start on raising and showing dairy cattle.

Citizenship

In the Citizenship project, you'll learn about raising, caring for, and managing dairy cattle. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Dairy Goats

The Dairy Goat project is a great animal project for smaller properties. Goats are easy to train and handle. Milk can be consumed by the family, fed to bucket calves, or sold to local market animals. You might start with one doe, raise her kids, and eventually create a dairy goat herd. Throughout the project, you can learn about breeds of dairy goats, parts of a dairy goat, feeding and care of dairy goats, and much more.

Learning by Doing: Participate in county and state dairy goat shows; join a local dairy goat organization.

Dog and Cat Care

Whether you have a dog or a cat in your life, this project will help you learn more about dogs, cats, and their needs. This project will help you develop problem-solving skills, critical thinking, and collaboration.

Energy Management

Energy Management includes the Electric/Electronic, Small Engines, and Petroleum projects. These projects will help you understand how to power the world today and think critically about the importance of energy resources.

Learning by Doing: Participate in county and state 4-H shows; join a local dairy goat organization.

Electronics

Learn important general electrical concepts as you experiment with making light switches and circuits, test voltages and even build motors. Study energy use, magnetism, electronics, and transistors.

KANSAS 4-H PROJECT SELECTION GUIDE

This guide gives a brief description of each of the official state 4-H projects. Support for this project can vary depending on your local program and the volunteers available to help. Exploring your interests through 4-H projects is a great way to learn new skills and potential careers with familiar and other resources. Materials can be ordered through your county or district extension office or online. Have a great time with your 4-H projects!
As you older children determine your family’s educational needs, you may make a project that addresses a family issue, or you may select a traditional 4-H project. Either approach will allow you to gain a greater understanding of your family and improve your skills. If you have a younger sibling, you may choose to participate in the Junior 4-H program. This will help you develop leadership skills, provide you with a greater sense of achievement, and allow you to share the experience with your sibling.

**Entomology**

Have you wondered about insects? How they move, interact, and communicate? Learn about insects in your local area or around the world. You can learn about insect behavior, insect ecology, and the role insects play in the environment.

**Gardening**

Have you been inspired by the growth of plants? Are you interested in learning about plant care and outdoor activities? Join the Gardening project to learn about plant care, outdoor activities, and environmental conservation.

**Home Environment**

Are you interested in improving your home environment? Learn about interior design, home improvement, and home organization to create a comfortable and functional living space.

**Photography**

Are you interested in capturing the beauty of the world around you? Join the Photography project to learn about different types of photography, techniques, and equipment used in photography.

**Reading**

Do you enjoy reading books? Have you ever dreamed of becoming a writer or a librarian? Join the Reading project to develop your reading skills and learn about different types of literature.

**Rabbits**

Are you interested in raising rabbits? Learn about rabbit care, rabbit genetics, and rabbit showmanship. This project will help you develop leadership skills and gain a greater understanding of animal behavior.

**Self-Determined Projects**

Are you interested in pursuing a project that is not listed in the 4-H project listing? This is your opportunity to explore your interests and develop new skills.

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As you older you can determine your family and lifestyle; and learn to use consensus to decide what you believe and explain why.

Exploring 4-H

This project is for first- and second-year members. It’s a great way to explore 4-H projects. After completing all in-depth projects you will be exposed to numerous projects areas with the guidance of older members and adult volunteer.

Family Studies

Learn about growing and maintaining a healthy family. In Family Studies projects, you’ll learn about child development, building family strengths, and managing a household.

Forestry

Learn how children grow and develop physically, socially, mentally, and emotionally. Observe and record your feelings; and develop a sense of self-esteem; Do “c” cycle of stress; learn that choices can have consequences; study effects of employment on family and lifestyle; and learn to use consensus and conflict resolution.

Furniture

Learn behaviors that develop friendships; respect others and their belongings; understand and show for family rules; express feelings in a positive way; learn to cope with change; know that family forms change; learn physical changes of adolescence; identify character traits of friends. Learn socially accepted manners and customs. Observe child behavior.

Farms

Learn behaviors that develop friendships; respect others and their belongings; understand and show for family rules; express feelings in a positive way; learn to cope with change; know that family forms change; learn physical changes of adolescence; identify character traits of friends. Learn socially accepted manners and customs. Observe child behavior.

Framed Quilts

In this project, you will have fun learning how to cook the basics and then advance to gourmet and international meals. Develop your cooking skills and learn how to cook.

Geology

Have you ever found an interesting rock and wondered what kind of rock it is? Do you wonder about finding fossils? Then dig into the Geology project. Discover the types of rocks you can collect; learn to manage a check account; recognize target advertising; identify consumer rights; and learn to value of employment and livestock.

Golf

Learning by Doing: Enter a photo contest or fair exhibit. Enter the 4-H Meat Goat project. Experimental local 4-H and exhibit your project. This is your opportunity to study a specific topic; read for pleasure; share a new topic; or entertain yourself. As Dr. Seuss encourages you to harness your love of reading to develop skills, you will develop skills, you will develop skills, you will develop skills.
to create your own project. Research a sport, hobby, or career— the sky is the limit.

Learning by Doing:
- Identify and pursue a personal passion or interest; set goals and evaluate the completion of your goals, and share your hobby, interest, or activity with others.

Sheep
The sheep project can be a great way to learn about the sheep industry, and more people are enrolling in either market or breeding projects. Through your years in the sheep projects you will: learn the parts and functions of the various breeds of sheep and their uses; manage and train sheep for show; learn sheep management and feeding practices for maintaining a flock; identify symptoms, causes, and treatment of common diseases; study nutrition requirements for various sheep breeds; learn the role of genetics and reproductive efficiency; and study sheep health and nutrition.

Select, raise, and show a market lamb: members learn about the ownership of the animal; market ewes should not be returned to a breeding flock.

Breeding Sheep
Select, raise, and show a breeding ewe; learn the care and services of the ewe; management equipment and techniques.

Learning by Doing:

Breeding Hog
Select, raise, and show a market hog; learn about the care and feeding of market hogs; learn about the body parts of a hog; identify the similarities and differences in various breeds of hogs; learn about animal feeds and nutrition, milk production, and dairy cattle production.

Learning by Doing:

Swine
Want to learn to build, maintain, and repair a computer? Learn about computer repair, maintenance, and troubleshooting.

Learning by Doing:

Woodworking
Whether you want to build a bookshelf or a whole house, the skills, tools, fasteners, and parts to be used in woodworking projects will differ. In the woodworking project you'll learn how to accurately measure and mark boards, how to use various tools, how to cut and shape wood, how to join parts of lumber, and select wood based on grain. As you learn about woodworking, you'll learn how to use tools, discover technology in tools, and explore career opportunities.

Learning by Doing:

Clothing and Textiles
The Clothing and Textiles projects will introduce you to the world of fashion, fabrics, and accesso- ries. Learn to create and sew your own items in Clothing Construction or design your own styles. This project can build your confidence in managing your own money, organizing your career in fashion. Clothing Construction

The clothing construction project will teach you the basics such as sewing a shirt or putting a zipper in a pair of pants. Learn to select appropriate fabrics, use patterns, sew quality seams, and follow proper practices. You will also learn how to design the project of your choice and customize it for the perfect look.

Dairy Goats
The Dairy Goat project is a great animal project for smaller properties. Goats are easy to train and handle. Milk can be consumed by the family, fed to bucket calves, or sold to local farmers. You might start with one doe, raising them to breeding age, and eventually create a dairy goat herd. Throughout the project, you can learn about breeds of dairy goats, parts of the animal, and their care and welfare of animals, record keeping, and more.

Learning by Doing:
- Participate in county and statewide dairy goat shows; join a local, regional dairy goat organization.

Dog Care and Training
Whether you have a dog or hope to get one, this project will help you learn more about dogs, from basic care and grooming to advanced training commands. Learn about different dog breeds and choose the best breeds for your family. Explore dog behavior, health and wellbeing, and obedience training. Learn about proper nutrition to keep your dog healthy and happy.

Learning by Doing:
- Participate in county and statewide dog shows and the State 4-H Dog Show at the Kansas State Fair. Members will be assigned to one or more special projects, depending on their interests and the needs of their club.

Energy Management
Energy Management includes the Electric/Elec- tronics, Small Engines, and Power Equipment projects. These projects will help you understand how to power the world today and think critically about the future of energy needs.

Electric/Electronics
Learn important general electrical concepts as you explore topics such as: making light switches and circuits, test voltages and even build motors. Study energy use, magnetism, electronics and transistors.