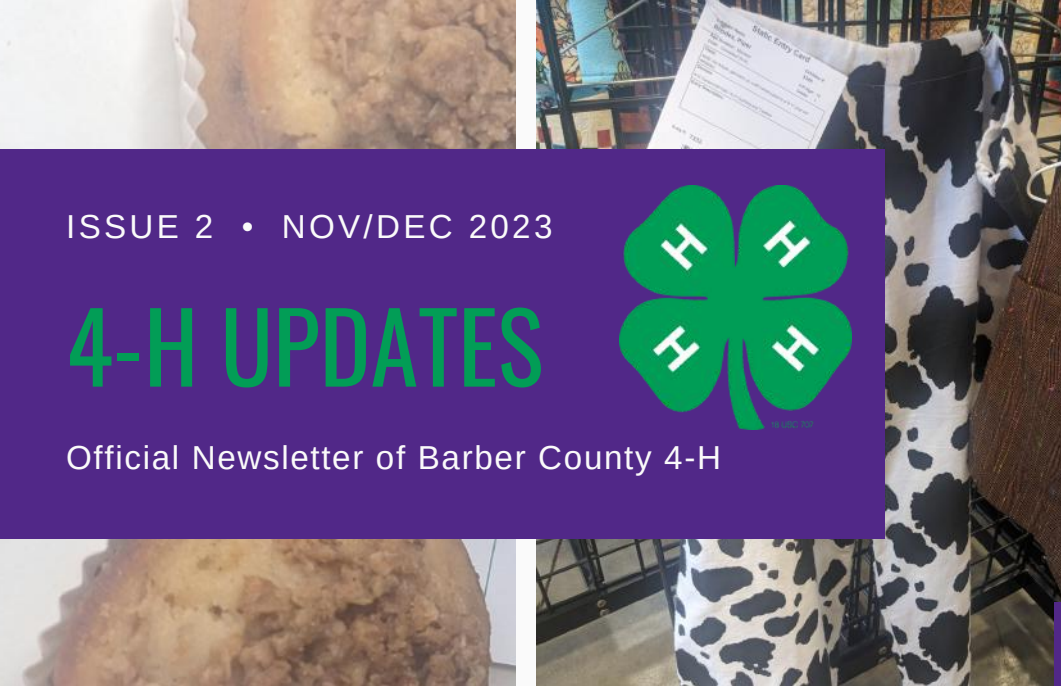


ISSUE 2 • NOV/DEC 2023

# 4-H UPDATES

Official Newsletter of Barber County 4-H



## Enroll in 4-H Online

All 4-H Members and Volunteers need to log into 4-H Online [v2.4honline.com](http://v2.4honline.com). Each year, you will complete the health form information, code of conduct, publicity release, and evaluation release.

If you do not approve the publicity release, we will not be able to use photos or even list the name of the member in the 4-H Newsletter, Facebook, or other printed material.

Returning members and volunteers need to complete all of the steps by December 1. New members have until May 1 to enroll. New leaders will need to enroll and complete the background check before they can start working with members.

If you have problems with your password, logging in, or knowing if it worked, please reach out. We do not want this to become a frustrating process.



4-H Project Selection Guide is available online but also attached at the end of this newsletter.

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## Congratulations to County Project Record Champions

This is judged in 3 age groups.

Junior - 7-9 years old

Intermediate - 10-13

Senior - 14 years old & up



## Check Your Club Bylaws

According to 4-H Policy, "All clubs are to function formally through a constitution and bylaws. These are the organizing documents of a club and describe how the club operates. A current copy of the club Constitution and Bylaws must be kept on file in the local extension office.

A template for clubs to use is on the Club Resources webpage: <https://www.kansas4-h.org/4-h-programs/clubs/strengthening-clubs-2/docs/club-constitution-bylaws.pdf>."

One of the options included in this template is to define a club quorum. The suggested wording is a "majority of members present for the regular meeting". This option could help clubs that struggle with attendance at regular club meetings.

If you would like Robin to attend one of your meetings to walk members and parents through completing a constitution and bylaws, just ask.



## Achievement Banquet

The Achievement Banquet was held on November 4 at the Hardtner Community Building. Cort Blunk, 2023 4-H Council President served as master of ceremonies. The 2022 and 2023 4-H Council Officer teams helped hand out awards. Pictures of the evening are scattered through out this newsletter.

Congratulations to 2024 Friends of 4-H Bill & Janet Smith and William Myers.

Congratulations to 2024 4-H Alumni Rhyan Marshall & Megan Evans.



# Leader in command

## Project Leaders

Thank you to all of our 4-H Leaders. This year, we recognized 3 leaders for completing their 1st year as club project leaders: Stephanie Marshall, Tim Marshall and Justin Goodno.

5th Year Leader: Larry Corr and Walinda Arnett (not pictured)

10th Year Leader: Glenda Alexander

20th Year Leader: Yvonne Burden

25th Year Leader: Deb Larkin (not pictured)



# Thank you!





## Awards not in the printed program

Every year, several awards are handed out that are not printed in the program. A complete list is sent with each club packet of awards. But here are a few of them.

Above: 4-H Key Award recipients Isabella Burden and Jessica Jahay.

Right: Reporter & Treasurer's Book Champion Callen Corr

Below Left: Purple Seal Clubs - Cloverleaf, Stampede, Stateline, Sunflower (Gyp Hill Pioneers not pictured)

Below Right: 4-H Story winners with their checks from 4-H Council.



## 2023 Barber County 4-H Champions

### Senior Division

Tanith Erikson      Champion Clothing & Textiles, Champion Self-Determined, Champion Swine  
Garen Cantrell      Champion Leadership

### Intermediate Division

Callen Corr      Champion Beef, Champion Foods & Nutrition, Champion Visual Arts  
Janda Goodno      Champion Sheep, Honorable Mention Foods & Nutrition  
Jancey Goodno      Champion Meat Goats, Champion Swine  
Dyson Inman      Honorable Mention Photography, Honorable Mention Sheep, Honorable Mention Swine  
Keagan McMurray      Honorable Mention Beef, Honorable Mention Meat Goats  
Piper Rhodes      Champion Clothing & Textiles, Champion Photography, Champion Reading, Honorable Mention Visual Arts

### Junior County Champion

Hayden Hutson      Champion Entomology, Champion Horse

### Club Books

Secretary's Book      Champion – Tanith Erikson, Stateline  
   Honorable Mention – Shayleigh Hill, Stampede  
  
Treasurer's Book      Champion – Callan Corr, Stateline  
   Honorable Mention – Kayla Rucker, Sunflower  
  
Reporter's Book      Champion – Callen Corr, Stateline  
   Honorable Mention – Averie Hill, Stampede  
  
Historian's Book      Champion - Cloverleaf

### 4-H Stories

We had a total of 32 books turned in this year and these were the winners in each division.

### Seniors

1<sup>st</sup> – Isabella Burden  
2<sup>nd</sup> – Garen Cantrell  
3<sup>rd</sup> – Tanith Erikson

### Intermediates

1<sup>st</sup> – Callen Corr  
2<sup>nd</sup> – Janda Goodno  
3<sup>rd</sup> – Breckyn Hiltner

### Juniors

1<sup>st</sup> – Paisley Marshall  
2<sup>nd</sup> – Hayden Hutson  
3<sup>rd</sup> – Liam Brattin

**Club Seals:** Cloverleaf, Gyp Hill Pioneers, Stateline, Stampede, Sunflower - Purple

# ACHIEVEMENT AWARDS

## MEMBERSHIP ACHIEVEMENT AWARD

Paisley Marshall

Kynlee Rucker

## BRONZE ACHIEVEMENT AWARD

Liam Brattin  
Piper Rhodes

Averie Hill                      Hayden Hutson  
Braylee Waggoner

Dani Mixon

## CLOVER ACHIEVEMENT AWARD

Tanith Erikson

Shayleigh Hill

## EMERALD ACHIEVEMENT AWARD

Boyd Banks

Dyson Inman                      Vonda Landwehr

## SILVER ACHIEVEMENT AWARD

Callen Corr  
Cara Whitaker

Breckyn Hiltner                      Jancey Goodno  
Chloe Whitaker

Janda Goodno

## SILVER GUARD ACHIEVEMENT AWARD

Keagan McMurray

## LEADERSHIP ACHIEVEMENT AWARD

Cort Blunk

Kooper Wesley

## GOLD ACHIEVEMENT AWARD

Garen Cantrell

## GOLD GUARD ACHIEVEMENT AWARD

Isabella Burden

## *MEMBERSHIP SEALS*

### FIRST YEAR CERTIFICATE

Paisley Marshall

Kynlee Rucker

### SECOND YEAR SEAL

Liam Brattin  
Dani Mixon

Tanith Erikson                      Averie Hill  
Piper Rhodes                      Braylee Waggoner

Hayden Hutson

### THIRD YEAR SEAL

Shayleigh Hill

### FOURTH YEAR SEAL

Boyd Banks

Dyson Inman

### FIFTH YEAR SEAL

Callen Corr  
Cara Whitaker

Breckyn Hiltner                      Jancey Goodno  
Chloe Whitaker

Janda Goodno

### SIXTH YEAR SEAL

Keagan McMurray

Vonda Landwehr                      Kayla Rucker

Beau Wesley

### SEVENTH YEAR SEAL

Cort Blunk

### EIGHTH YEAR SEAL

Garen Cantrell

Kooper Wesley

### NINTH YEAR SEAL

Isabella Burden

### ELEVENTH YEAR SEAL

Jessica Jahay

# ACHIEVE

## Achievement Awards

Kansas 4-H has 9 Achievement levels. The levels increase in requirements. Some levels take members 2 or 3 years to earn.



Emerald Award



Membership Award



Bronze Award



Silver Award



Silver Guard Award



Leadership Award



Gold Award



Gold Guard Award



# MEMBERSHIP

## Membership Seals

4-H Council set the guidelines on awarding Membership Seals: In order to receive a membership seal annually, 4-H members must: complete Personal Page (including 4-H Story), complete Permanent Records, and attend at least half of their community club's meetings.





# 4-H Council Meetings

FEBRUARY 26, 2024  
IN MEDICINE LODGE  
7:00 PM

MAY 20, 2024  
IN MEDICINE LODGE  
7:00 PM

SEPTEMBER 23, 2024  
IN MEDICINE LODGE  
7:00 PM  
FOLLOWED BY  
RECORD BOOK  
SCREENING

# Barber County Fair

JULY 25 - 28, 2024

ANNUAL MEETING TO  
ELECT FAIR BOARD  
DECEMBER 7, 2023

## Looking Ahead. . . .

### January

- Ag Agent Position Opens for Applications
- Kansas 4-H Dog Judges Training, January 26-28
- Barber County 4-H Scholarship Due January 31

### February

- Citizenship in Action in Topeka, February 18-19
- Club Days - February 10 starting at 9:00 AM

### March

- Regional Club Days, TBD
- Market Beef Tagging, due March 1
- K-State Jr. Beef Producer Day, March 2
- K-State Jr. Sheep Producer Day, March 16

### May

- Spring Show & All Other Tagging, due May 4

### June

- Discovery Days in Manhattan, June 5-7
- Multi-County Camp, TBD
- Insect Spectacular, June 14-15

## County 4-H Foundation Scholarship

The Barber County 4-H Foundation is once again offering scholarships to seniors and college students (for 1 year). The Scholarship is due January 31, 2024, to the Extension Office.

The scholarship form is available online at <https://www.barber.k-state.edu/4-h/>.

# Club News

Submit notes from your club meetings by the 20th of each month to reubank@ksu. to have them included here.



## Reporter's Corner

Club News from Barber County



## No Club Notes this month.

## 4-H Projects Change

Kansas 4-H has updated some projects. In livestock projects, market and breeding are 2 phases of the same project. When you enroll in one livestock project, you can show in the market and breeding classes. Similarly, when you enroll in Fiber Arts, you can learn about crochet, rugmaking, weaving, or quilting.

Some projects also have updated names. Citizenship became Civic Engagement. Clothing Construction became Sewing and Textile Design. Buysmanship became Shopping in Style. ABC (Legos) became Building Block Engineering. All STEM projects are now listed with separate names. No projects have disappeared. If you need help finding something, please call the office.

## 2023/2024 Kansas 4-H Projects



### Animal Science

- Beef
- Dairy Cattle
- Dairy Goats
- Dog
- Horse
- Meat Goats
- Pets
- Poultry
- Rabbits
- Sheep
- Swine
- Veterinary Science

### Communication & Expressive Arts

- Communications
- Performing Arts
- Photography
- Visual Arts

### Consumer & Family Science

- Sewing & Textile Design
- Shopping in Style
- Family Studies
- Fiber Arts
- Foods & Nutrition
- Health & Wellness
- Interior Design & Architecture

### Natural Resources

- Environmental Science
- Geology
- Shooting Sports
- Wildlife

### Leadership & Personal Development

- Civic Engagement
- Leadership
- Reading Adventures
- Self-Determined

### Plant & Environmental Sciences

- Entomology
- Agronomy
- Forestry
- Horticulture & Landscape Design

### Engineering & Technology

- Ag Mechanics Welding
- Building Block Engineering
- Astronomy
- Computer Science
- Electric & Renewable Energy
- Robotics
- Aerospace/Rocketry
- Small Engines
- Uncrewed Aircraft Systems
- Woodworking





# Record Book Roundup

MONTHLY TIPS FOR COMPLETING YOUR RECORD BOOK

## Take Note This Month

- Enroll Now!
- Make plans for your 4-H projects.
- Start a Calendar of 4-H events and activities. This will make your record book easier to complete. School year calendars are on clearance racks now, so get one just for 4-H notes.
- Returning 4-H Members need to be enrolled by December 1 to be able to exhibit at the County Fair.

## Record Book are coming in January

Record Books with all of your project report forms will be returned to you at your January Club Meeting. The forms are not changing from last year. If you used Z-Books, you can start with your goals now.

But the more pressing issue right now could be project selection. Kansas 4-H has released a new project selection guide. It is attached to the end of this newsletter. Consider adding a new project or think about if it is time to start helping plan project meetings for a project you have done for 3-5 years. Talk to your club leaders about helping a project leader or talk to the county-wide project leader, if we have one.

Please keep in mind that 25% of the 4-H year is over before you get your project record forms. This means you need to be making notes in a notebook or on a calendar to add to your forms later.

As you make plans for your January Meeting, maybe you can plan some time to go through all of the forms in the record books. If families have lost their books, we sell the covers at the office (the first one is provided at no charge). We will also provide extra copies of permanent record forms if they are needed.

The bottom line, get a jump start now to make August and September easier when finishing up and applying for awards.

# State Wide Events

Flyers, Images, Notes about State Wide Events

## 2024 Kansas 4-H Scholarships

Scholarships are due March 1st, 2023 by 11:59PM CST.

Full details are available on the [Kansas 4-H Website under Scholarships](#)

For the sake of clarity in the following information, there will be two types of scholarships referenced; State 4-H Scholarships and the Vanier Family Scholarship Program (VFSP).

### Eligibility

The new scholarship process has combined the State 4-H Scholarships and the Vanier Family Scholarship Program (VFSP) applications together. We hope that this encourages more applicants to pursue both of these scholarship opportunities. Please review the chart on the [webpage](#) to see which scholarships you are eligible for.

### What You Will Need to Apply:

#### Application

Part 1: Select the scholarship program(s) that you are applying for (State 4-H Scholarships and/or the Vanier Family Scholarship Program).

Part 2: Answer questions regarding demographics, general 4-H participation, and academic information.

Part 3: Attach your Cover Letter and Resume (in a PDF). Please reference the Cover Letter and Resume handouts for additional information.

#### Guidelines

##### [Cover Letter](#)

##### [Resume](#)

Part 4: Submit!

### References

You need two references for your application to be considered complete. When identifying references, select individuals who can speak to the leadership, dedication, and commitment you have demonstrated. You should NOT use family members as a reference. There are no requirements and/or restrictions for how you should know your references.

References will NOT submit a letter of recommendation. References will be asked specific questions.

This is separate from the Barber County 4-H Foundation Scholarship.

# State Wide Events

Flyers, Images, Notes about State Wide Events

## HCC Winter Classic Livestock Judging Contest

With the Kansas State Fairgrounds making renovations (again), we will not have access to any buildings at the state fairgrounds during the 2023 Kansas Beef Expo. Therefore, we will host the “Winter Classic” at the Bar K Bar arena and Celebration Centre in Lyons. Hutchinson Community College has remained committed to providing a great learning experience for your students to aid in their preparation for spring judging events and we are proud to serve as your contest host again this year. HCC will also plan to be host the Blue Dragon Classic contest on Monday, April 8th, 2024 at the Bar K Bar arena and Celebration Centre in Lyons, KS. Please keep this date in mind as you begin to look ahead to possible spring events to attend. Below you will find usual details with changes/updates for the 2023 contest.

**Date:** Friday, December 8th 2023, 9:30 a.m. start time.

**Location:** Bar K Bar Arena & Celebration Centre: 1145 E. US-56 Hwy Lyons, KS 67554 Students will judge inside, but please dress appropriately for December weather.

**Registration:** 8:00 - 9:00 a.m. Please enter via the Google forms link on or before December 4th at 5 pm Central Time. **Entry link:** <https://forms.gle/D237QBrkHYCS7NkNA>

**Entry Fee:** \$10 per Non-Reasons contestant, \$15 per Reasons contestant (Cash or Check only. Checks made out to HCC Livestock Judging Team)

**Classes:** You can expect a total of 8-10 classes. Any combination of breeding and market cattle, swine, sheep, and/or goats can be expected, depending on livestock availability. Expected progeny differences (EPD's) may also be used on breeding classes.

**Divisions:** Please identify on the entry form which division your students will be competing in. The senior division is for the 10-12th graders, intermediate 7-9th grade and junior is 6th grade and under. Within each age groups, students/teams can participate in reasons or the placings only division, but may not “double enter” in a division.

**Reasons:** Reasons are anticipated to begin at 11:45 a.m. and conclude by 1:30 p.m. Lunch will not be provided but snacks and water will be available for reasons contestants.

Individuals/teams competing in the Junior and Intermediate reasons category will give 2 sets of reasons. Seniors will give 3 sets.

**Results:** Due to an unknown number of participants, a Facebook live will be done to announce results approximately 2-3 hours after the completion of judging. If you wish to stay to collect your awards and receive recognition that is acceptable. Any awards that your school and/or students win will be coordinated on how to receive. It is the responsibility of the contestant/team to arrange for this.

Contestants will be removed from the contest if they are talking or on an electronic device; no questions asked.

**Let the Barber County Extension Office know if you are interested in Livestock Judging.**

# Event Calendar

## NOVEMBER

SUN	MON	TUES	WED	THU	FRI	SAT
			1 Achievement Banquet RSVPs Due	2	3	4 Achievement Banquet 4-H Council
5	6	7	8	9	10 Extension Office Closed	11 VETERANS DAY
12	13	14	15	16	17	18 Kansas Youth Leadership Weekend
19 Kansas Youth Leadership Forum Weekend	20	21	22	23 THANKSGIVING	24 Extension Office Closed	
26	27	28	29	30		

## DECEMBER

SUN	MON	TUES	WED	THU	FRI	SAT	
					Enrollment due <sup>2</sup> Returning Members		
3	4	5	6 Fair Board Annual Meeting	7	8 HCC Livestock Judging	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24 CHRISTMAS EVE	25 CHRISTMAS DAY	Extension Office Closed				29	30
31 NEW YEAR'S EVE							

## JANUARY

SUN	MON	TUES	WED	THU	FRI	SAT
1 NEW YEAR'S DAY	2 Extension Office Closed	3	4	5	6	7
8	9	10	11	12	13	14
15	16 Extension Office Closed MLK JR. DAY	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



# K-STATE

Research and Extension

## Barber County



### Kansas 4-H T-Shirts Online Order

<https://tinyurl.com/2023KS4HTSHIRT>

Order by  
December 1,  
2023



A FUNDRAISER  
FOR THE KANSAS  
4-H YOUTH  
LEADERSHIP  
COUNCIL!

2 Design Options  
for 2023

**K-STATE**  
Research and Extension



Youth Leadership  
Council

K-State Research and Extension is committed to providing equal opportunity for participation in all programs, services and activities. Program information may be available in languages other than English. Reasonable accommodations for persons with disabilities, including alternative means of communication (e.g., Braille, large print, audio tape, and American Sign Language) may be requested by contacting the event contact Robin Eubank-Callis two weeks prior to the start of the event at 620-886-3971 or [reubank@ksu.edu](mailto:reubank@ksu.edu). Requests received after this date will be honored when it is feasible to do so. Language access services, such as interpretation or translation of vital information, will be provided free of charge to limited English proficient individuals upon request.

### Kansas State University Agricultural Experiment Station and Cooperative Extension Service

K-State Research and Extension is an equal opportunity provider and employer.

Barber County Office

118 E Washington  
Medicine Lodge, KS 67104

620-886-3971

[www.Barber.ksu.edu](http://www.Barber.ksu.edu)

Facebook:  
[www.facebook.com/barbercountyextension](https://www.facebook.com/barbercountyextension)





**4-H**

**PROJECT  
SELECTION  
GUIDE**



**K-STATE**  
Research and Extension



In 4-H, young people learn about topics that interest them! These are referred to as a member's "projects." Exploring your interests through 4-H project work is an excellent way to discover new skills and potential careers. While projects can vary depending on your local program and availability, this guide offers a starting point for each of the official Kansas 4-H projects. Resources for each project can be ordered through your county or district K-State Research and Extension Office.

## Animal Science

### Beef

Learn about raising, caring for and managing beef cattle. You may start with a bucket calf and work toward building your own herd with breeding beef or learn more about feeding out cattle through the market beef project. You'll learn about different breeds and anatomy of beef cattle; how to feed, groom and show your animal; how to judge beef cattle for market and/or breeding; how to produce high-quality beef; and how to use performance data and technology in an efficient beef-cattle operation.

#### Beef Bucket Calf

This project is open to 7- to 12-year-olds. Calves may be purchased or orphaned but are to be bottle/bucket fed.

#### Learning by Doing

Participate in Junior Beef Producer Day, exhibit at local beef shows, State 4-H Livestock Sweepstakes, (includes livestock judging, quiz bowl, Skillathon, and meats judging), Kansas State Fair State Beef Show, and the Kansas Junior Livestock Show.

### Dairy Cattle

Learn about raising and managing dairy animals by selecting, grooming and showing a heifer calf or yearling heifer. Along the way, you'll learn about dairy cattle breeds and anatomy, judging and presenting oral reasons, animal health and welfare, and safe practices for handling milk and milk products. Members with mature cows learn about animal feeds and nutrition, milk production, and careers in the dairy industry. Specific projects include dairy bucket calf, dairy heifer and dairy cow.

#### Learning by Doing

Participate in Kansas All-Breeds Junior Dairy Show, Judging Contest, Skillathon, and Dairy Quiz Bowl.

### Dairy Goats

The dairy goat project is great for smaller properties since goats are typically easy to train and handle. Goat milk can be consumed by the family, fed to bucket calves or fed to other market animals. You might start with one doe, raise kids and eventually create your own dairy goat herd. Throughout the project, you can learn about breeds and anatomy of dairy goats, proper care and welfare of animals, record keeping and more.

#### Learning by Doing

Participate in local and state dairy goat shows or join a regional dairy goat organization.

### Dog

Whether you have a dog or hope to own one, this project will help you learn more about your family's best friend, 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, body language, and obedience training while learning about proper nutrition to keep your dog happy and healthy.

#### Learning by Doing

Show your dog at local shows and the Kansas State Fair 4-H Dog Show. Members without dogs may participate in quiz bowls and other activities that do not require dog ownership, such as the Kansas 4-H Dog Conference.

### Horse

If you love horses and want to learn how to safely handle, care and ride a horse that you own or lease at least 75 % of the time, the horse project is for you. In this project you will learn basic coat colors, breeds, and horse anatomy; study horse health; participate in judging contests, quiz bowl, and hippology; and give presentations. Achievement Levels allow 4-H Horse members to learn more about the project and advance through their skills and knowledge. Achievement Level I focuses on safe handling of horses. Then once completed Achievement Level I, Achievement Levels II, III, and IV can be taken to advance your educational knowledge of horses. 4-H Horse Identifications are due June 1 into the local Extension Office.

#### Learning by Doing

Visit a stable or farm; participate in the State Horse Judging Contest, State Horse Quiz Bowl, Horse Panorama, horse presentations, and hippology; and exhibit at local and state horse shows.

### Meat Goat

The 4-H Meat Goat project is quickly growing as demand increases for meat products. You'll learn how to select, raise, and care for a meat goat; study breeds and anatomy; learn how to fit and show meat goats; recognize diseases; keep records; select breeding stock; learn key components in developing a goat herd; and evaluate feed ingredients.

#### Learning by Doing

Participate in Junior Meat Goat Producer Day at K-State, Livestock Sweepstakes, Kansas Junior Livestock Show and the State Meat Goat Show at the Kansas State Fair.

### Pets

Whether you love fish, hamsters, cats, or other pets, these projects can help you learn more about your household friends and what different pet species need to stay healthy.

#### Learning by Doing

Identify hazards for pets around your home, and learn about your pet's feeding and care. Learn the symptoms and treatment of diseases as well as taxonomic classification.

## Poultry

This project is designed to help you learn about chickens, turkeys, ducks, geese, pigeons and other poultry. This is an excellent project to expose both rural or urban youth to basic animal husbandry skills. You will learn species, breeds and anatomy and how to care for and handle your birds. Learn how eggs are formed, how to select and judge broilers, make an egg candler, and understand pecking orders. Lead younger members in egg experiments, process chickens for food, and learn about biotechnology and poultry careers.

### Learning by Doing

Participate in the Poultry Judging Contest at the Kansas State Fair.

## Rabbit

The rabbit project will allow you to learn to raise and care for your rabbits. Identify main breeds of rabbits and their anatomy, learn feeding and watering practices, learn to groom and show a rabbit, and care for newborn rabbits. It is best to enroll in the fall to prepare for receiving your first rabbit.

### Learning by Doing

Take part in rabbit shows, try rabbit judging, participate in showmanship, or start with a doe and grow your project.

## Sheep

In the sheep project, you will learn to identify sheep breeds and anatomy, manage and train sheep for show, learn safety and management practices for maintaining a flock, identify symptoms and treatment of diseases, study nutritional requirements, study technology's impact on sheep production, and explore career opportunities in the sheep industry.

### Learning by Doing

Participate in Junior Sheep Producer Day, exhibit at a local sheep show, participate in the Kansas 4-H Livestock Sweepstakes, or Kansas Junior Livestock Show.

## Swine

If you want to learn about raising, caring for, and managing a market or breeding hog, enroll in the swine project where you will study pork production from farrow to finish. Throughout the project you will identify different swine breeds and anatomy; types of feeds; identify symptoms, causes, and treatments of swine diseases; study breeding systems and performance data; and explore career opportunities in the swine industry.

### Learning by Doing

Exhibit at a local swine show or participate in K-State's Junior Swine Producer Day or Bob Hines Swine Classic; Kansas Junior Livestock Show; or the Kansas State Fair Swine Show.

## Veterinary Science

The 4-H Veterinary Science project provides an excellent way for young people who care for animals and may want to follow a career in veterinary medicine to explore the topic. In this project, members will learn about animal health, behavior, and visit with veterinarians. You do not have to own an animal to be in this project.

### Learning by Doing

Document your pet's daily health, spend a day shadowing a local

veterinarian, visit with a veterinary technician and learn what it takes to take care of the animals we love.

## Communication & Expressive Arts

### Communications

4-H is famous for helping youth improve their communication skills. Being a better speaker, writer, or record keeper will help you throughout your life. The communications project will help you interpret verbal and nonverbal information, develop effective public speaking skills, enhance written and spoken communication, defend a point, design a presentation, and more.

### Learning by Doing

Discuss your other 4-H projects in an illustrated talk or demonstration to club members, write a thank-you note, run for a club office, complete a record book, or present a speech.

### Performing Arts

Those who enjoy being in the spotlight on stage or being creative off stage may enjoy this project. Learn to express yourself in front of a crowd.

### Learning by Doing

Express yourself by creating and presenting a theatrical play or musical performance; participate in camp's talent show, create a puppet show; create costumes, sets and props; and enter your local Club Days or other contests.

### Photography

Photography is a great way to create art, preserve memories, and have fun, all at the same time. Don't have a camera? Cell phones work just fine for the photography project too! You will learn the basic functions of a camera and how those functions transfer to a cell phone. More importantly, you'll learn how to use the elements of composition when capturing photos (depth of field, rule of thirds, leading lines, etc.) and then learn what photo judges look for in their favorite photos. Once you have mastered photography, you may be interested in taking it a step further with videography or other digital media.

### Learning by Doing

Document your family or club activities through photos; volunteer as a sports photographer at school; take photos for the school yearbook; enter a photo contest or fair exhibit; enter the photography judging contest at the Kansas State Fair.

### Visual Arts

Encourage your creative skills in learning how to draw, paint, and work with different media. Explore art techniques, study art history and culture, or challenge yourself to discover new artistic talents. The visual arts project teaches artistic skills and the elements and principles of design. Projects may vary depending on your local 4-H program.

### Learning by Doing

Practice drawing, painting, and printing techniques in paint, pencil, chalk, charcoal, or mixed media; learn sculpture techniques; make something from wood, leather, paper, or clay; weave a basket or wall hanging; etch glass or metal; make jewelry and wire sculptures; create mosaics or nature crafts; discover new

media. Enter your best work in the fair and teach others the new skills you've learned.

## Consumer & Family Science

### Sewing & Textile Design

Learn to create and sew your own clothing and accessories while exploring the world of fashion in Sewing and Textile Design. This project will teach you the basics, such as sewing a pillowcase or shirt, learning different stitches or putting in a zipper. Learn to select appropriate fabrics, use patterns, sew quality seams, and care for your garments. In advanced units, you can learn how to take the design of your choice and customize it for the perfect look, color, and fit.

#### Learning by Doing

Design and/or create fair exhibits; make items for community service; participate in Fashion Revue to model constructed garments.

### Shopping in Style

The Shopping in Style project will help you understand your wardrobe; plan a clothing budget; select colors and styles that complement your body shape, proportion, and balance; choose different shades of colors; compare fiber, care requirements, cost, brand, and style; and analyze clothing advertisements.

#### Learning by Doing

Complete a clothing inventory, organize a clothing drive, assemble outfit(s) for county fair; participate in Fashion Revue to model purchased outfits.

### Family Studies

Learn about growing and maintaining a healthy family by learning about child development, building family strengths and managing a household. Learn how children grow and develop physically, socially, mentally, and emotionally. Study the effects of employment on family and lifestyle, and learn to use consensus and compromise. Learn to determine differences between needs and wants, develop a savings plan for a specific goal, practice comparison shopping, learn to manage a checking account, recognize target advertising, identify consumer rights and learn the value of employment.

#### Learning by Doing

Partner with a peer to explore and discover solutions to today's consumer topics, create an intergenerational community-service project, and establish a baby-sitting service.

### Fiber Arts

The Fiber Arts project is filled with different techniques, all based on manipulating fiber into an art piece. If you've ever wondered how to crochet a scarf, embroider a pillowcase or make a quilt, this project can help you learn these skills and more. Fiber Arts focuses on skills passed down through generations to provide basic family needs, such as apparel, home furnishings and decorations. Skills such as knitting, needle arts, quilting, weaving, macramé, and spinning are just as important today as they ever have been!

#### Learning by Doing

Create items for fair exhibits or to donate to hospitals, shelters or nursing homes.

## Foods and Nutrition

In this project, you will have fun learning how to cook the basics and then advance to gourmet and international meals. Develop baking skills, learn about food preservation, explore the heritage of many foods, and understand consumer buying skills. Learn how to make healthy snacks and modify recipes to fit a healthy lifestyle.

#### Learning by Doing

Enter a foods exhibit in the fair, plan and prepare snacks and meals for your family, incorporate exercise into daily life, and learn about food safety through activities like working in a club concession stand.

## Health and Wellness

Explore health and wellness in your personal life as well as in your club, community, country, and world. Health, exercise and recreation are vital parts of your daily lives. In these projects you can focus on physical activity, healthy eating, exercise, sports and recreation, or first aid.

#### Learning by Doing

Present ideas to community leaders for walking paths and bike trails in your town. Volunteer at a nursing home or hospital. Organize a project to assemble first aid kits in your community. Enter a project exhibit in your local county fair demonstrating what you have learned.

## Interior Design & Architecture

This project gives you the opportunity to examine your environment, both inside and outside of the home. Designing a new layout for a room, refreshing your porch, refurbishing a family heirloom or even creating something brand new are all examples of ways to incorporate the design process in your living environment. Learning and experimenting with the elements of design (color, line, value, space, shape, form and texture) in all areas of a room or space or furniture piece are all part of this project. Being a designer (architect, furniture, product design or interior designer, etc.) is not only about how a space looks but also how it feels. The end goal is to create a space that feels inclusive, functional, and inviting to all.

#### Learning by Doing

Refurbish furniture or makeover a room in your home. Volunteer to redesign and rearrange a room at your school to make the area more functional. Organize a community day for the free disposal of paint, refinishing materials, and solvents. The home environment project will give you the opportunity to design, create and implement what you've learned by creating a notebook, project board or item.

## Engineering & Technology

### Aerospace/Rocketry

Discover how a model rocket works, study equipment and procedures for a safe launch, build and launch your own model rockets.

#### Learning by Doing

Build a rocket or educational displays. Take a field trip.

## Ag Mechanics Welding

The Ag Mechanics project allows youth to explore areas of Ag mechanics and metallurgy from repairing or re-purposing items to the fabrication of new items. The intent is for this program start with foundational areas, some of which youth may already have, and allow them to continue to build on this knowledge, becoming more experienced.

### Learning by Doing

In the project, you'll identify welding equipment, learn about electrodes, learn basic arc welding skills, and demonstrate appropriate welding skills.

## Astronomy

Study the different kinds and uses of telescopes, build a simple telescope, learn planet order by making a key ring bead system, build spectrosopes, distort light with lenses and prisms, and learn how to set up public viewings.

### Learning by Doing

Have a star or space watch party, set up and educational displays, or take a field trip.

## Building Block Engineering

The Building Block Engineering project is designed to help youth explore architectural design in a three-dimensional space. The project starts with foundational ideas of architecture, some of which youth may already have, and allows them to continue to build on this knowledge, becoming more and more experienced.

### Learning by Doing

Youth demonstrate their architectural skill and knowledge through the creation of "Lego" construction projects.

## Computer Science

Learn the basic components of a computer; identify the similarities and differences in office software applications; learn Internet safety. As you get older, learn to build, maintain, and repair computers. Learn programming languages and network security.

### Learning by Doing

Explore careers in computer science. Teach your 4-H club coding or other elements of computer science.

## Electric & Renewable Energy

Learn 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. Later, you can determine your family's electrical usage; measure electric usage of appliances; test grounded outlets; explore electronics; build simple radios, microphones, computers, and other equipment; and explore careers in electronics and engineering. Learn how wind can be used for sailing, lifting, pumping water and creating electricity.

### Learning by Doing

You can design and build a wind-powered boat and wind turbines; discover where and why the wind blows; and explore

the wind in art and literature.

## Robotics

Learn about robot arms, legs, wheels, or under-water propulsion; explore sensors, analog and digital systems; build basic circuits; design a robot; and program a robot to do a task.

### Learning by Doing

Explore careers and companies that use robotics. Research medical uses of robotics. Design and build a robot that solves a problem.

## Small Engines

Learn how small engines work as well as how to service them safely. You'll start by learning the parts and cycles of engines and exploring the importance of clean air to an efficiently running engine. Later, you will learn to troubleshoot, repair, and rebuild an engine; understand rules and regulations for small engines; and explore starting a small engine business or career.

### Learning by Doing

Teach other youth about small engines, start your own business, and exhibit at fair.

## Uncrewed Aircraft Systems

Explore the world from above the trees and discover new frontiers with Unmanned Aerial Systems (UAS). This project provides the opportunity to safely expand your understanding of UAS and the world around them.

### Learning by Doing

You can explore the uses and applications of UAS, including how they link to other projects such as geology, robotics, electronics, crop science, and more.

## Woodworking

Whether you want to build a bookshelf or a whole house, you'll need similar skills, tools, fasteners, and joints. In this project you'll learn how to accurately measure and mark boards, use various tools, safety practices, identify types of lumber, and select wood based on grain. As you get older, you'll learn to use power tools, discover technology in tools, and explore career opportunities.

### Learning by Doing

Select and build an item to exhibit at the fair; use your new skills to volunteer or help a neighbor; and teach others something you learn in the woodworking project.

## Leadership & Personal Development

### Civic Engagement

Take an active role in your community, country and world while learning about yourself and those around you. This project will encourage you to meet people and work with groups while learning about local, state and national governments. You also can make new friends from other countries and cultures through exchange programs.

### Learning by Doing

Volunteer in your community; take part in a community conversation; attend Citizenship in Action in Topeka; participate in

exchange trips or host youth from another country.

## Leadership

Learn what it takes to be a leader through skills including understanding yourself, considering others' feelings, encouraging others, being responsible, communicating, making decisions, and managing and working with groups.

### Learning by Doing

Learn and practice new skills, volunteer for a committee, run for office in your 4-H Club or school group, share your knowledge with others, or attend a camp, event, or training focused on leadership skills.

## Reading Adventures

This project encourages you to harness your love of reading to learn more about your 4-H projects, research new topics, or entertain yourself. As Dr. Seuss wrote, "The more that you read, the more things you will know. The more that you learn, the more places you'll go."

### Learning by Doing

Get a library card for your local public library, tour your library to know what they offer, explore a new genre of books, share a book review with others, and read with younger kids at an elementary school or after-school program.

## Self-Determined

The self-determined project is just that — you decide what you do or study. Is there something you have a passion for that is not listed? This is your opportunity to create your own project. Research a sport, hobby, or career. Find your spark!

### 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.

## Natural Resources

### Environmental Science

Our growing environmental science curriculum helps you not only learn about your environment, but also explore ecosystems; understand conservation; learn how water can be responsibly preserved, protected, used and reused; expand recycling efforts; and understand your ecological footprint.

### Learning by Doing

Organize a park, highway, or waterway cleanup; research an environmental topic of your choice and make a video or do a project talk; locate credible research on climate change to decide what you believe and why.

### Geology

If you enjoy learning about interesting rocks or fossils, then dig into this project. Discover the types of minerals, rocks, and fossils in your area and other geological formations across Kansas and in other states.

### Learning by Doing

Participate in field trips to various Kansas locations and collect, identify, and display specimens. Lead other youth to an interest in geology with talks, demonstrations, and educational displays.

## Shooting Sports

If you want to learn to shoot, you should check out the 4-H shooting sports projects. Safety is the first priority of these projects. After that, the firearm or bow is used as a tool for positive youth development including teaching responsibility, discipline, and a host of other life skills. These projects teach gun safety, care and safety of shooting sports equipment, hunting practices, and provide an opportunity to test your skills. To participate, youth must be 8 years of age as of January 1 of the current year.

Check with your county or district extension office about which projects are offered in your area as 4-H certified instructors are required for each discipline (project). Counties/Districts will only offer Shooting Sports Projects for which they have a Certified Coordinator and Certified Discipline(project) Leader.

**BB Gun** – This is a great place for youth to start to learn firearm safety and responsibility.

**Air Rifle** – Air Rifle allows youth to learn to shoot safely and responsibly while shooting longer distances

**Small Bore Rifle** – Youth learn to be safe and responsible while learning the technical skills of shooting even longer distances.

**Air Pistol** – Youth learn target shooting and pistol safety.

**Small Bore Pistol** – Youth will learn safety, stance, and target shooting with a pistol.

**Archery** – The 4-H Archery Discipline covers the basics of archery. We give the beginning archer a broad, sound foundation for learning the sport and being able to enjoy it for a lifetime.

**Muzzleloading** – Find out about muzzleloading history as you get a chance to learn to safely fire a muzzleloader.

**Shotgun** – Whether it's trap, skeet, or sporting clays, youth will learn the lifetime sports involved in the shotgun project.

**Hunting Skills** – this project is all about teaching youth to make responsible and ethical decisions while hunting. It also involves other opportunities such as wildlife identification, and orienteering.

**Western Heritage** – provides youth with a chance to study historical firearms, take on a persona, and get a taste of cowboy action shooting.

### Learning by Doing

Demonstrate safe use of air rifle, shotgun, bow, etc., through practice, talks, demonstrations, and exhibits. Exhibit shooting sports skills at local and district events. State matches for the different disciplines are held in the fall and spring, or participate in the Instructors Junior Apprentice Training Program (ages 14 and older). Promote firearm safety with educational displays and make shooting accessories.

## Wildlife

Kansas wildlife is an important part of the state's heritage and environment, ranging from buffalo to birds and fish to deer. In this project you'll learn about wildlife behavior, habitat requirements, how wildlife species fit into nature's scheme, how they are managed and how they relate to humans. Some local units also offer sport fishing as an additional project.

### Learning by Doing

Create wildlife habitat; participate in the Hunting, Fishing and Fur Harvesting School; and enter the Wildlife Habitat Evaluation Contest.

## Plant Sciences

### Agronomy

Experiment with soil testing, grow and harvest crops, plant a wheat variety test plot, and learn about herbicides and fertilizers. Agronomy and field crops gives 4-H members the opportunity to learn about one of Kansas' most valuable industries- agriculture- and what it takes to feed the world.

#### Learning by Doing

Participate in the 4-H Wheat Variety Plot program, take part in an area or state Crops ID contest, attend the 4-H Wheat Expo to learn more about Kansas agriculture, visit a local co-op or feed mill, shadow a local grain producer or agronomist.

### Entomology

If you've ever chased butterflies, caught a ladybug for a closer look, or started a bug collection, the entomology project may be a great fit. You'll learn the anatomy of an insect; make an insect net; and collect, pin, label, and exhibit an insect collection. Later, you'll study how insects move, learn about insecticides and explore insect behavior.

#### Learning by Doing

Plant a butterfly garden, catch and observe a spider in its web, conduct an insect survey, and start an insect collection for exhibit at the fair.

### Forestry

Learn to identify trees, determine differences between trees and shrubs, learn about different trees and tree parts, graft a bud to a living tree, discover health benefits of trees, investigate forest changes and learn about forest health and learn forest conservation techniques.

#### Learning by Doing

Collect leaves for an exhibit, visit an arboretum, help plant trees in your community and research the best trees for Kansas.

### Horticulture & Landscape Design

Learn when, where and what to plant; learn the difference between cool and warm-season vegetables; learn plant parts and how they are used; learn how to use basic garden tools; study seed varieties and starting seeds indoors; study preventative pest controls; learn about specialty harvests and selling your produce; study plant pollinations; study food industry careers; and learn about biotechnology.

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### Learning by Doing

Take part in a horticulture judging contest, grow a vegetable or flower garden, donate extra produce to the food bank, research the best vegetable and flower varieties for Kansas, inventory your home landscape or tour a garden center.



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