

2023
Chautauqua
County Fair
4-H Entry
Information

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4-H General Regulations

1. Pre-entries will be done at <http://cqkscountyfair.fairentry.com> by July 7, 2023. If you need assistance contact the office during office hours and we will be happy to help you through it.
 - Recommended browsers: Google Chrome or Mozilla Firefox. Older versions of Internet Explorer may cause unexpected behavior.
 - Register all entries for each exhibitor in the family before proceeding to the Payment section.
 - Be sure to click the “Submit” button when you have completed your entries. Entries are not final until they have been submitted.
 - Check your email inbox for a confirmation email with a list of your entries.
 - You will receive a second email when your entries have been approved by your fair.
2. All 4-H entries should be made by bona-fide Chautauqua County 4-H members. All exhibits must be the result of the current year’s project work. Members must be enrolled in the phase of the project in which they are exhibiting. Members may enter one exhibit per class unless noted otherwise.
3. 4-H building exhibits must be in place according to division regulations. Livestock in place at 12 noon, Wednesday, July 26.
4. NO exhibits will be released until after 5 pm Saturday, July 29. No responsibility is assumed for exhibits left after 8 pm.
5. Youth should be present for consultative judging. Anyone not present at time of judging is not eligible to compete for Grand and Reserve Champion but the exhibit will be judged provided the youth types a one-page paper outlining their project, challenges, methods, etc.
6. All grievance must be filed in writing within 2 hours of the event by a parent, legal guardian, 4-H member or exhibitor. A grievance committee will be appointed by an Extension Board Officer at the time of the grievance from a pool of grievance council made up of club 4-H leaders, extension board members, adult superintendent in charge of the event, and PDC members. The committee appointed will consist of a minimum of 3 and no more than 5. A decision will be handed down by the grievance committee within 2 hours.
7. Superintendents may add additional classes as needed. They may remove any person who interferes with the judge’s work.
8. All exhibits will be rated purple, blue, red and white. All purple exhibits will be eligible for State Fair according to limits and class at State Fair. Any ribbon placement is

made at the judge's discretion.

Premium Point System:

Grand Champion	6 points
Reserve Grand Champion	5 points
Purple	4 points
Blue	3 points
Red	2 points
White	1 point

9. Note: Liability (when showing animals) **WARNING:** Under Kansas law, there is no liability for an injury to or the death of a participant in domestic animal activities, resulting from the inherent risks of domestic animal activities pursuant to sections 1 through 4 of K.S.A. 60-208. You are assuming the risk of participating in a domestic animal activity.
10. *Asterisks (stars) identify classes that do not correspond to the State Fair and cannot exhibit at the State Fair. To exhibit at state the exhibitor must meet age requirement (9 before January 1, 2023) and received a purple at county fair. State fair exhibit regulations may be different than county fair. State fair rules will be mailed to you if you sign up to send exhibits to state.
11. Avoid using copyrighted and/or trademarked materials. The letter “c” with a circle around it means the owner of the material holds copyright. Similarly, all rights to use trademarks are protected by “TM” or letter “r” with a circle around it. If you need to use copyrighted materials, contact the original source, explain how material will be used, and request written permission to use materials. Written permission to use copyrighted and/or trademarked material must be attached to the exhibit/displayed.
12. Glass covers on exhibit boxes are not allowed.
13. **SHOWMANSHIP:** For each age division (Senior, Intermediate, Junior) a Grand and Reserve Champion will be selected to compete in the Grand Champion Showman over all contest. In the event that the Grand and Reserve Champion from an age division have already won the Round Robin from previous years, a third high individual will be chosen during the division contest to represent that age division in the Grand Champion Showman overall contest. If this should occur, then there will be seven showmen in the ring during the Grand Champion overall contest. In the event that the top three Showmen in an age division have all won the Round Robin, then a fourth high individual will then be chosen to represent that age group. This process will continue until each age division has a representative that will be eligible to show in the overall contest who has not previously won the Round Robin. *For instance, if in the senior division, John and Jane are the Grand and Reserve Champions the next high individual will also be included in the overall. If John, Jane and Joe were the top three placing individuals then the fourth placing individual will*

be included in the overall.

Understanding Ribbon Awards

Exhibition of projects is a part of the 4-H educational experience. The Danish ribbon system, awarding ribbons by group, is used to recognize equal or near equal quality 4-H exhibits. Until the selection of the champions, exhibits are evaluated against a standard rather than in comparison.

Purple Ribbon: Outstanding on all standards! Qualifies exhibits for state fair if other requirements are met.

Blue Ribbon: Exceeds minimum standard; may have minor flaws where improvements can be made.

Red Ribbon: Meets minimum standards; may be visible signs of needed improvements

White Ribbon: Fails to meet minimum standards

Grand and Reserve Champion Rosettes: One each given per project area. Awarded to the one best and second-best overall exhibit.

Ribbons are awarded at the judges' discretion. Other than grand champions and reserve champions there are no set numbers. Judges' decisions are final.

2023 Fair Superintendents

Goats

Chelsea Bracken
Lindsey Carter
Payton Carter, Junior
Lakyn Sutton, Junior

Sheep

Lana Williams
Franny McCoy
Haidyn Leonard, Junior
Reece Willhite, Junior

Swine

Kristi Loftin
Brock McCoy
Jem Gooden, Junior
John Wade, Junior
Olivia Bracken, Junior

Beef

Sonny Williams
Chad Carter
Ainsley Mertes, Junior
Karli Jarboe, Junior

Bucket Calf

Jessica Rainbolt
Kayla Stong
Taylor Rainbolt, Junior
Adalyn Leonard, Junior

Horses

Amy Miller
Robyn Sutton
Kaden McCoy, Junior
Johnny Sproul, Junior

Rabbits & Poultry

Crystal Wade
Fallon Bracken, Junior
Clara Buthe, Junior

Photography

Stacy Cornstubble
Kenzie Miller, Junior
Hunter Brown, Junior

Horticulture, Wildlife & Misc.

Chelsea Alcorn
Wyatt Schmidtberger,
Junior

Barnyard Olympics

Casey Wade
Oakley Carter, Junior
Levi Goode, Junior

Foods

Jessica Rainbolt
Rebecca Kunath
Ashley Kunath, Junior

Visual Arts

Freda Speer
Kendra Leonard
Hayleigh Rainbolt, Junior

Clothing

Amanda Bierle
Xavier Stong, Junior

Color Guard

Mallory Darnell, Junior
Hailey Kunath, Junior

Superintendent Responsibilities

Junior superintendents work with your adult superintendents or Jenny to figure out where you are needed and what you are supposed to be doing.

Superintendent Responsibilities (Livestock)

- Gather ribbons and plaques before show
- Help with weigh in
- Break classes
- Line up each class
- Serve as ring help
- Announce show
- Handout ribbons
- Record results
- Return results to extension staff

Superintendent Responsibilities (Non-Livestock)

- Make sure you have paper, pencil, ribbons, and superintendent's book
- Take entries
- Put entries on table by entry number
- Assist the judge during judging
- Write down placing's in superintendent's book
- Distribute ribbons
- Display items according to category
- Return superintendent's book to extension staff
- Make sure items are not disturbed
- Assist with release of items

CQ County 4-H Fair Schedule

	SAT, 7/22	MON 7/24	WED, 7/26	THU 7/27	FRI, 7/28	SAT, 7/29
8:00			Swine Weigh-in	Swine Show, 4-H Arena	Sheep & Goat Show, 4-H Arena	
9:00	Fashion Revue, Cedar Vale		Sheep Weigh-in			
10:00			Beef Weigh-in			
11:00				Rabbit & Poultry Show, 4-H Barns		
12:00			Check in 4-H Exhibits			Public 4-H Style Revue, Pavilion
1:00			Consultative Judging-4-H Bldg			
2:00						
3:00						
4:00			Barnyard Olympics, 4-H Arena			
5:00	Fairgrounds Clean Up					
6:00		Horse Show, Sedan	Cookout & Swim Party	Bucket Calf Show, 4-H Arena	Round Robin, 4-H Arena	Livestock Premium Sal, 4-H Arena
7:00				Beef Show, 4-H Arena		

4-H Consultative Judging

Clubs will report to judging area during their assigned times. If the previous club is done before their allotted time is over, the next club can report to their next area.

	1:00	1:45	2:30
Visual Arts	Sedan Willing Workers	Prairie Pride	Cedar Vale Go- Getters
Foods	Cedar Vale Go- Getters	Sedan Willing Workers	Prairie Pride
Photography	Prairie Pride	Cedar Vale Go- Getters	Sedan Willing Workers

*4-H CLOVERBUDS

The 4-H Cloverbuds program is designed specifically for 5- and 6-year-olds. To become a 4-H Cloverbuds member, the child must have reached age 5 before January 1 of the current 4-H year. Youth who turn 7 before January 1 of the current 4-H year may enroll as 4-H members. 4-H Cloverbuds is activity-focused, rather than project-focused. 4-H Cloverbuds programming is cooperative, not competitive. There will be no money awarded for any exhibits entered under the 4-H Cloverbuds section.

Cloverbuds Classes

- 001** Poster – No bigger than 14" x 22" no smaller than 8.5" x 11".
- 002** Non-Perishable Food Item – 3 on a plate in a Ziploc bag
- 003** Photograph – 4" x 6" photo mounted on cardstock
- 004** Craft
- 005** Showmanship – Specify species you wish to show (Horse, Beef, Sheep, Swine, Goats, Poultry)

GENERAL DIVISION

* BANNER EXHIBIT

1. Each banner should illustrate a phase of 4-H work which is being practiced by youth in 4-H or promote 4-H generally.
2. The club display should avoid using copyrighted materials whenever possible by originating their own work. Copyrighted and/or trademarked materials utilized in banners for endorsement or promotion instead of educational purposes will be disqualified and will not be displayed.
3. Banners are a two-dimensional display, depicting one idea.
4. Banners should be made of non-flammable materials that permit the banner to be folded or rolled without damaging the display. Three-dimensional objects may not be attached to the banner.
5. Dimensions are to be no less than 12 and no more than 16 square feet, with no side less than 3 feet.
6. Banners must be hung on a rod strong enough to support the banner. **On each end of the dowel rod, there must be a chain 6" long. On the other end of the 6" chain, attach an "S" hook which will permit the banner to be suspended by the chains on a wire. Banners mounted any other way will not be displayed due to technical problems.**
7. Attach a label to the front lower left-hand (as you face it) corner of the banner giving the name of the club and county or district. Letters should be 2" in height.

Class 6550 4-H Banner*

*This is not a State Fair Eligible entry.

CLOTHING AND TEXTILES

This project will introduce you to a whole new world of options with outfits, clothing, and accessories. The clothing construction phase will teach you the basics like sewing a shirt or putting a zipper in a pair of pants. The advanced units will teach you how to take the design of your choice and customize it for the perfect look, color and fit.

Rules

1. No exhibits will be released for any other use. Garments entered in this division cannot be used in the Fashion Revue.
2. Articles, garments, outfits may have been used/worn but should be carefully laundered or cleaned before being exhibited. Exhibits may be placed in clear plastic bags for protection to and from State Fair. Bags will be removed for clothing display purposes. Items should be hung on swivel or wire hangers.
3. Identification Labels (no straight pins may be used to attach these items) a. Type or print on 3" x 2½" piece of cloth: Class Number, County or District, Name.
b. Sew labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
c. Place entry form and score card on front left shoulder seam of garment or to the left side of waistband with hanger opening facing to the left, as if you were wearing the garment, so that the hanger opening faces the attached entry form.
4. Due to limited exhibit space, the management reserves the right to display only representative exhibits in the ribbon placing.
5. Pre-cut kits are acceptable for all clothing classes. All articles/garments must be finished for use.
6. Since care labels are not always available, NO care label will be required; however, 4 H members should know how to care for fabrics they purchase.
7. Educational Exhibit Classes - Share with others what you learned in the Clothing Construction or Clothing Buymanship project. Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22"x 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county/district must be clearly marked on educational exhibits.
8. Recycled Clothing Project – An item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/ redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. **An index card (no larger than 4"x6") MUST accompany entry describing the recycled materials and how they were used in the item.**
9. The exhibitor is encouraged to attach an index card or photo, no larger than 4" x 6" with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.

Clothing and Textile Classes

4000 An article, garment, or outfit constructed by a 7 to 11-year-old exhibitor

4001 Educational exhibit prepared by a 7 to 11-year-old exhibitor (construction or buymanship)

- 4002** An article, garment or outfit constructed by a 12 to 14-year-old exhibitor
- 4003** Educational exhibit prepared by a 12 to 14-year-old exhibitor (construction or buymanship)
- 4004** An article, garment or outfit constructed by a 15 to 18-year-old exhibitor
- 4005** Educational exhibit prepared by a 15 to 18-year-old exhibitor (construction or buymanship)
- 4006** Recycled Clothing Project

Fashion Revue

This project will introduce you to a whole new world of options with outfits, clothing and accessories. The advanced units will teach you how to take the design of your choice and customize it for the perfect look, color and fit. Buymanship will give you that edge on knowing your wardrobe, planning a budget for an outfit, choosing between different shades of colors and analyzing clothing advertisements.

The Fashion Revue consists of Clothing Construction projects and Buymanship (boys and girls).

All Fashion Revue events will be judged Saturday, July 22, 2023.

Fashion Revue - Clothing Construction

Purpose: To encourage 4-H members to acquire knowledge in dressing economically, develop grace, poise, good posture and habits of good grooming. Open to all clothing construction

members: The member must have made the garment(s) which he/she models as part of the 4-H clothing project during the year. Each contestant entering the Fashion Revue must list the entry on their entry blank.

A total of four outfits may be entered in the judging and modeled in the public Fashion Revue.

All pieces of a multi-piece item are to be worn at the same time.

JUNIOR DIVISION		SENIOR DIVISION	
Ages 7-13		Ages 14-18	
Class 0194	Article	Class 0199	Article
Class 0195	Garment	Class 0200	Garment
Class 0196	Two Piece Coordinated Outfit	Class 0201	Two Piece Coordinated Outfit
Class 0197	Three Piece Coordinated Outfit	Class 0202	Three Piece Coordinated Outfit
Class 0198	Recycled Clothing Project	Class 0203	Recycled Clothing Project

Fashion Revue - Buymanship

For boys and girls. Garment must be purchased for the 4-H project or made by another individual for the 4-H'er, with fabric and pattern chosen by the 4-H'er. A total of five garments can be entered in judging. Five garments can be modeled in the public Fashion Revue.

JUNIOR GIRLS		SENIOR GIRLS	
Ages 7-13		Ages 14-18	
Class 0204	Casual for School	Class 210	Casual for School
Class 0205	Active Sports Outfit	Class 211	Active Sports Outfit
Class 0206	Dress Up Suit	Class 212	Dress Up Suit
Class 0207	Dress Up Outfit	Class 213	Dress Up Outfit
Class 0208	Formal Wear	Class 214	Formal Wear
Class 0209	Western Wear	Class 215	Western Wear

JUNIOR Boys		SENIOR BOYS	
Ages 7-13		Ages 14-18	
Class 0216	Casual for School	Class 221	Casual for School
Class 0217	Active Sports Outfit	Class 222	Active Sports Outfit
Class 0218	Dress Up Outfit	Class 223	Dress Up Outfit
Class 0219	Best Suit	Class 224	Best Suit
Class 0220	Western Wear	Class 225	Western Wear

* EDUCATIONAL POSTERS & NOTEBOOKS

1. Exhibits in this division are for the following projects: Citizenship, Health and Wellness (Bicycle, Health, Outdoor Adventure, and Recreation), Family Studies, Leadership, Pets, Communications, Reading, Self-Determined, Shooting Sports, and Wildlife. There should be an educational or promotional message.
2. Exhibits should be a poster and/or notebook or other entry depicting work done in the project. Exhibits will be judged on general appearance, information and organization.
3. Each exhibitor may enter one exhibit per project area.
4. Notebook exhibits should be in a loose-leaf binder, with the following information provided on the front cover: Name, club, and project area.
5. Poster exhibits must not be larger than 22 x 28 inches.
6. Champions and Reserve Champions will be selected in each phase where quality merits. A Grand & Reserve Grand Champion may be selected from phase champions if quality merits.
7. Exhibitors must comply with state and federal laws. It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds.

Game birds and game animals taken legally during an open season may be used.
The use of live animals in educational exhibits is prohibited.

Educational Posters & Notebooks Classes

0127 Educational Poster (Jr)*

0128 Educational Poster (Sr)*

0129 Educational Notebook (Jr)*

0130 Educational Notebook (Sr)*

*This is not a State Fair Eligible entry.

ENTOMOLOGY

If you've ever chased butterflies, caught a ladybug for a closer look, or planted a pollinator garden, the entomology project may be a great fit. You'll learn the anatomy of insects; the importance of pollinators, make an insect net; and possibly create an insect collection. Later, you'll study how insects move, learn about insecticides and explore insect behavior.

For more information contact the Extension Office.

***EXPLORING 4-H**

For first year members only. Exhibit is to be one item or article that the member prepares.

Class 0036 Item or Article

*This is not a State Fair Eligible entry.

FIBER ARTS

Fiber arts is defined as the practical skills passed down from preceding generations that were developed to provide basic family needs, such as apparel, home furnishings or decorations.

Rules

1. Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving, crochet, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting or embroidery or ethnic art.) Ethnic Fiber Arts should use a fiber, yarn or fabric to create the design exhibit. Non-textile (examples include wood, reed, straw, grass, etc.) baskets/pieces should be entered in the Visual Arts Division.
2. Identification Label:
 - a. Type or print on a 3" x 2 1/2 "piece of cloth: class number, county or district, and exhibitor's name.
 - b. Sew or safety pin this ID label on the corner of flat articles;
 - c. For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.

3. A member may enter a total of 3 Fiber Arts Exhibits. All articles/garments must be finished for use.
4. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
5. Special consideration will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
6. The exhibitor should attach an index card, no larger than 4" x 6", with the entry form to give the judge any information on what parts of the exhibit they made, processes used, or other information which the exhibitor thinks would be helpful for the judge. For all items please indicate if item was made from a kit. For all items please indicate fiber content, and specifically if they are made of at least 90% wool. For quilted items indicate who did the quilting and binding.
7. Exhibitors are expected to be enrolled in the Fiber Art project in which they are entered. When the exhibit is a sewn garment that also includes one or more Fiber Art techniques (i.e. knitting, crochet, needle arts, or patchwork and quilting), the determination of what division (Clothing or Fiber Arts) and class in which to enter will be left with the 4-H participant.
8. All exhibits which need to be hung, MUST have the appropriate saw tooth hanger, rod, wire or other mechanism attached in order to be properly displayed. If necessary hardware is not attached, it may not be displayed.
9. Fiber Arts Educational Notebook - Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, instructions, photographs of completed projects, or other ways of educating others about fiber arts. NOTE: A collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the notebook.
10. There are no age specific classes in fiber arts.

Fiber Arts Classes

4111 Crochet, an article including felted items. (See #7 above)

4112 Knitting, an article made either by hand or by knitting machine including felted items. (See #7 above)

4113 Needle Arts, an article created by hand using any of the following techniques:

- a) Embroidery and cross-stitch
- b) Needlepoint
- c) Candle wicking
- d) Crewel

- e) Lacework
- f) Appliqué.

4114 Patchwork or Quilted article - It is acceptable practices for the exhibitor to create the patchwork or quilted article and have someone else quilt it. (See #7 above)

4115 Rug Making, a rug - acceptable techniques include braiding, latch hook, tying, floor cloth, etc. The finished product should be an item that would be an item used in the home.

4116 Spinning, a skein - minimum 10 yards in length

4117 Weaving, a woven article - Members should attach information about the type of loom or process used. (See #7 above) Woven wood reed basket, should be exhibited in Visual Arts

4118 Ethnic Arts, an article: This is defined as a Fiber Art/Textile technique that is associated with a specific country or culture. It is a practical skill that was developed to provide basic family needs such as apparel, home furnishings or decorations. It is also defined as a method that has been maintained throughout history and passed on to others, often by observation and by example, such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Members should attach information on the history of the ethnic fiber art, where it was used, by whom, how it was used, short description of the technique, etc. (See #7 above)

4119 Macramé, an article

4120 Fiber Arts Educational Notebook

FOODS

FOODS – NUTRITION

In this project, you will have fun learning how to cook the basics and then advance to 26

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.

1. A member may make four (4) entries in a nonperishable class and one entry in an educational class in this division. Complete recipes with ingredients and instructions must be attached with the entry, or the placing will be lowered one ribbon when judged.
2. All items are to be made from scratch unless otherwise stated that a mix may be used.
3. For food safety purposes, any food with custard and dairy-based fillings and frostings (ex. cream cheese), raw eggs, flavored oils, “canned” bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration (ex. bacon) or unbaked exhibit with raw flour (ex. No bake cookies) will be disqualified and not judged. Refer to K-State

Research and Extension publication, 4-H888, Judge's Guide for Food and Nutrition Exhibits, for information to help you make informed, safe food exhibit decisions.

4. Alcohol is not allowed as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not be judged.
5. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe. Exhibit 3 cookies, 3 muffins, 3 bread sticks, 1 loaf bread, etc.
6. Under baked entries will be lowered one or more ribbon placings.
7. All un-frosted cakes should be exhibited in an upright position with crust showing. The exception is for those cakes made with special designs such as Bundt cakes. They should have top crust side down.
8. Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or disposable container.
9. Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or disposable container of appropriate size for the exhibit.
10. Exhibits should be in food grade plastic bags, disposable plastic containers or boxes of appropriate size for the exhibit.
11. Attach the recipe to the outside of the wrapped exhibit. Do not wrap forms in plastic.
12. Educational classes: Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" x 28". Displays are not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county or district must be clearly marked on educational exhibits. The educational exhibit evaluation form will be provided at judging time. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.
13. Decorated special event cakes will no longer be accepted for exhibit.
14. Dried foods are to be exhibited in the Food Preservation Division.

Food & Nutrition Classes

- 4300** Non-perishable food product, 7-11 years old
- 4301** Educational exhibit, 7-11 years old
- 4302** Non-perishable food product, 12-14 years old
- 4303** Educational exhibit, 12-14 years old
- 4304** Non-perishable food product, 15-18 years old
- 4305** Educational exhibit, 15-18-year old
- 4306** Food Gift Package. No alcoholic beverages will be accepted. A food gift package must contain at least 3 different food items (prepared for human consumption), made by the 4-H member, in a suitable container no larger than 18"x18"x18". Prepared food items must have recipes attached with the entry. Additional homemade food items

beyond the 3 minimum or purchased items may also be included in the gift basket. On the back of the entry card, answer these questions: a) what is the intended use; b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food product, not as an educational exhibit. Home canned foods must follow Food Preservation rules. Canning jars should not be used for baking per manufacturer's instructions. They could break during baking.

Foods - Preservation

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.

1. Exhibits must have been preserved since the member's previous year's county fair, and not been exhibited at the previous State Fair. Example: For fair date August 15, 2018 items canned following that date can be exhibited at this year's State Fair.
2. Recipes and processing methods from the sources below are recommended. Recipes must be from current tested resources listed below AND MUST BE ADJUSTED FOR ALTITUDE based on your processing location, or it will be disqualified. Processing methods that will be disqualified include: open kettle- canning, over canning, sun canning and using electric multi-cookers. For more information on electric multi-cookers, see http://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html. Untested recipes will be disqualified for food safety reasons. Tested recipe resources include
Recipe Resources include:
 - K-State Research and Extension Food Preservation publications
 - Other University Extension Food Preservation publications
 - USDA Complete Guide to Home Canning @ 2015
 - So Easy to Preserve, 6th edition, The University of Georgia Cooperative Extension Service
 - Ball Blue Book Guide to Preserving, Edition 37
 - Ball Complete Book of Home Preserving, @ 2015 and @ 2020
 - All New Ball Book of Canning and Preserving
 - Canning mixes (i.e. Mrs. Wage's, Ball)
 - Pectin manufacturers (i.e. SureJell, Ball)
 - <http://www.rrc.k-state.edu/preservation/recipes.html>
3. Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and will not be judged.
4. Each member may enter up to two exhibits in this division, but only one entry per class.
5. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be disqualified. Recipe must include exhibitor name, recipe source, date of publication and altitude of where food was processed. If using Mrs. Wages or Ball mixes, indicate the date the mix was purchased.
6. Exhibits must be sealed in clean, clear standard canning jars, with matching brand (ex: use Ball lids on Ball jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not use colored jars. Do not add fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex: Pickled asparagus). Jars must be sealed when entered. For food safety reasons, the size of jars used must

not be larger than the jar size stated in the recipe. Note: There are 12-ounce, 24-ounce, and 28-ounce canning jars available and may be used. Use pint jar process recommendations for 12-ounce jars. Use quart jar process recommendations for 24 ounce and 28-ounce jars.

7. Each jar exhibited must be labeled. The label must not cover brand name of jar. The label must give: Class No, Product, Altitude where processed, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), date processed including month and year, Name, and County/District. Templates to make adhesive labels can be found at: https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf
8. Classes 4350-4355 will require one jar for each class.
9. Hole punch the entry card and use a rubber band to attach the entry card and recipe around the top of the jar.
10. If dried food product is not in a canning jar, it will be lowered on ribbon rating. Suggested amount: 1/3 – 1/2 cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature! Dried products must include the recipe, preparation steps, and heating instructions. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found in “Dry meat Safely at Home” www.ksre.ksu.edu/bookstore/pubs/MF3173.pdf

Food Preservation Classes

- 4350** Sweet Spreads (Fruit and/or Vegetables), Syrups; One jar
- 4351** Fruits, Juices, Fruit mixtures (Salsa, Pie Filling, etc.) One jar
- 4352** Low Acid Vegetables (green beans, corn, etc. or vegetable mixtures.); one jar
- 4353** Pickles (Fruit or Vegetable) Fermented Foods, Relishes and Chutney; One jar
- 4354** Tomato/Tomato Products Tomato Juice and Tomato Salsas; One jar
- 4355** Meats; One jar
- 4356** Dried Foods: One Small Jar.

GEOLOGY & LAPIDARY

In this project, you will learn the difference between rocks and minerals, learn how to identify fossils, describe and identify rocks, understand stages of the rock cycle, and use the scientific method to solve problems.

Geology Classes

- 5200** Geology. Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. Exhibitor is limited to one exhibit box. Only those exhibiting at State Fair for the first time may enter this class.
- 5201** Geology. Display at least 30 different rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibitor is limited to one exhibit box. This class is open to those exhibiting either first or second time at State Fair.
- 5202** Geology. Display at least 45 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the State Fair.

Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.

- 5203** Geology. Display at least 60 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting the fifth time or more at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- 5204** Geology Educational Exhibit: Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. Exhibit limited to 4 feet of table space. **Care should be taken to use durable materials that will withstand State Fair conditions.** Exhibitor may show in the class regardless of number of times he or she has exhibited at State Fair or whether exhibitor has entries in classes 5200, 5201, 5202 or 5203. Exhibitor may also exhibit in lapidary class.
- 5205** Mineralogy. Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (i.e.: Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (i.e.: CaCO₃ for calcite) if known.
- 5206** Fossils. Display a minimum of 15 fossil specimens collected by the participant in Kansas, at least 5 of which have been collected during the current 4-H year. The fossils are to be grouped by Phylum and Class, and at least 3 phyla must be represented (Brachiopoda, Chordata, Mollusca, etc.) The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen; date collected; county where collected; formation, member, or source; phylum, class, and genus or part; and geologic age (Cretaceous, Permian, Pennsylvanian, etc.) See #5 for additional fossil labeling expectations.
- 5207** Rocks. Display a minimum of 15 rock specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. Rocks are to be grouped by the 3 rock classes (Sedimentary, Igneous, and Metamorphic). You must display at least one specimen from each of the three classes. The specimens must fit in one standard display box. Specimen labels must include a specimen number, the date collected, name of specimen, and the county where collected. All rocks must be identified by the formation and member name (Examples: Fort Hays Limestone, Member of the Niobrara Chalk Formation) or source (Examples: Rocky Mountain Outwash, glacial till).

Lapidary Classes

- 5300** Lapidary. Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of “before and after”, nor do they have to be self-collected. Locales must be identified. Only those exhibiting lapidary at the State Fair for the first time may exhibit in this class.
- 5301** Lapidary. Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-

H'er collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year.

5302 Lapidary. Display before-and-after examples of at least 6 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least two varieties should be collected from the native site by the 4-H'er, at least one of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

5303 Lapidary. Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H'er, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

5304 Lapidary. Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

Special lapidary exhibits should be entered in class 5304. Please note that each member is limited to one entry in this class.

HOME ENVIRONMENT

This project gives you the opportunity to examine your environment, both inside and outside of the home. Decorating a room, refreshing your porch, landscaping an area of your yard, 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, landscape 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. 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.

For more information contact the Extension Office.

PHOTOGRAPHY

Capture your friends, family and important events and tell the story through photography. Learn about cameras, and how to plan, compose, light and exhibit your photos. Advance into wide-angle and telephoto lenses, filters, light meters and computer enhancement. Photographs are judged on composition, technique, and eye appeal.

Rules:

1. Black and white prints and color photographic prints and/or videos may be exhibited.
2. Exhibitors may have no more than **two** entries per class. They may have a total of **four** entries in the photography division. This includes the Snapshot Exhibit.

3. Photographs entered must be the result of the current year's project work by the 4-H member. Photos must be taken by the 4-H Member (exhibitor).
4. Remove white border from the photo print before mounting.
5. All photos must be no larger than 8" x 10" and no smaller than 7"x 9", after trimming.
6. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" sheet of white or cream studio matte board. Photos mounted on poster board will not be displayed. Your local Extension office may purchase matte boards from the K-State Research and Extension Distribution office.
7. Photos must be mounted with the top edge of the print 1" below the top of the mount. (board is always oriented narrow side up). The sides of the print must be equal distance from the two sides of the mount.
8. A full coverage permanent mount (spray adhesive recommended or heat mount) must be made. Each photo is handled numerous times (up to 25) throughout the judging, sorting, and display process.
9. The Kansas State Fair 4-H Photography ID Form (available from your Extension Office and online) must be used and mounted correctly on the bottom front of the matte board. This will be illustrated in a letter from the State 4-H Office to the Local Extension Office and on Kansas4-H.org.
10. No lettering, including dates, is permitted on the front of the mount or on the photo. No underlay or borders are to be used.
11. To protect exhibits from dust and moisture, place mounted photo in protective plastic bag.
12. On the back of the mount, write; the exhibitor's name, address, photo class, location where the photograph was taken and the Extension Unit (county/district). If in a district, please use full district name and add county name.
13. Photos entered in any class of the 4-H Photography Division at the State Fair may be used in State Fair 4-H Photography judging contest. Entry of a photo in the 4-H Photography Division contest grants permission to use the photo in the 4-H Photography Judging Contest.
14. Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
15. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes. HDR photos are to be entered in the standard photo class.
16. My Favorite 4-H Photography Display: This new class is only for those photography project members with 10 or more years of experience. This class is a non-judged mounted display consisting of four favorite photos from the member's photography career in 4-H. All photos and a fifth biography/description with details of why they are regarded as most significant will be mounted on white or cream studio matte board. Photos and biography/description will be displayed on one row of the photography racks. This class is an extra way to showcase the development and accomplishments of the 4-

- H member's photography career. Members can still enter two other classes, if they are enrolled 8 or more years in the photography project.
17. Digital Composite Image: Finished photo must be created from two or more original images photographed by exhibitor. HDR photos do not qualify for this class Photos will be judged on photographic merit as well as manipulation technique and process. Ribbon placement will be determined by combining the score of each judging section.
 18. The black and white classes are for black and white prints only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class.
 19. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the State Fair.
 20. Photos with live subject (s) on railroad right away or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and will be disqualified and not judged.
 21. Copyright protections must be observed.

Photography Classes

4800 Color photos taken by a 4-H member with 3 years or less in the project.

4801 Color photos taken by a 4-H member with 4 – 7 years in the project.

4802 Color photos taken by a 4-H member with 8 or more years in the project

4803 Black and white photos-taken by a 4-H member with 3 years or less in the project. (Black and white prints only).

4804 Black and white photos – taken by a 4-H member with 4-7 years in the project. (Black and white prints only).

4805 Black and white photos-taken by a 4-H member with 8 or more years in the project (Black and white prints only).

4806 My Favorite 4-H Photography Display.

1. This is a “display only” class.
2. Eligible members must have enrolled in photography for ten (10) or more years.
3. Requirements are:
 - A. Choose a total of four (4) of your favorite photos from any of the years enrolled in photography.
If used previously in competitive exhibits, removal I data slips and stickers. If the photo is an unmounted print, mount it using standard 4-H requirements and mat board.
 - B. Develop a short biography piece.
 1. Tell how/when an interest in photography began.
 2. Explain why each of the four photos is a favorite.
 3. Share the skills learned because of photography. Think beyond the camera skills and include leadership, community service, etc.
 4. Tell of any mentors/leaders worked with.
 5. Share workshops or camps pertaining to photography you attended.
 6. Explain (if relevant) any plans to use photography skills beyond 4-H/High School.
 7. Include a small (2 X 3) photo of yourself at the start of the biography.

8. Print the biography document and mount it on a standard mat board.
4. Place name and Extension unit on the back of each of the 5 mat boards in the upper right-hand corner.
5. This exhibit does not have to qualify at the county/district level to exhibit at the Kansas State Fair.
6. There is no data slip required.
7. A member who qualifies to exhibit in this class is still allowed to enter two prints and a portfolio for judging if qualifications for those classes are met.

Portfolio Classes

4807 – Growth Portfolio

1. Member must have been enrolled in Photography project for five (5) years or more.
2. Exhibit will consist of 5 (five) photos - one from each of the past 5 years of enrollment. Each photo must have been created in a different year and must be labeled with year taken and which year of enrollment it represents.
3. Photos must be 8" x 10" and may be color or black and white.
4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. Skill set used to create the photo must be given and explained. Main goal for each year should be listed.
6. Beginning with photo 2, member description of GROWTH in project skill must be included on information sheet.
7. Exhibit will consist of photos arranged in chronological order of enrollment, information sheet on each photo, and all information listed in #6 and #7. A portfolio book will be required.

4808 – Career Portfolio

1. Member must have been enrolled in Photography for 5 (five) or more years OR member must be age 15 -19 and been enrolled in photography for at least two (2) years.
2. Exhibit will consist of ten (10) 8" x 10" photos showing skill development in one of the following photography areas: Portraiture, Special Effects (not done with computer), Landscape, Photo Journalism, Black and White, Nature/Wildlife or Graphic Design (computer skills with photos). Photos may have been created over multiple project years.
3. Photos may be color except if Black and White option is chosen.
4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. A one-page summary should accompany the portfolio listing the goal for pursuing this area of photography and what skills were learned while doing so. Mentors should be acknowledged. Career exploration can also be described.

6. Exhibit will be presented in a notebook designed for portfolio review with pages for required information from #4 and #5.

***Snapshot Exhibit**

*This is not a State Fair Eligible entry.

This exhibit is open to any phase. Five snapshots mounted on 18"x 24" poster board. Snapshots in entry should be all color or all black and white.

Snapshot Exhibit Classes

0131 People & Animals*

0132 Landscape*

0133 Sequence*

0134 Building*

PLANT SCIENCE

Plant Science - Crops

4-H members in the Agronomy (Field Crops) project may exhibit grain, plants, a wheat variety plot display or a weed control exhibit to prepare an educational display representing their project. The purpose of these exhibits is to provide a positive learning experience for youth, evaluating the accomplishments of the member within the project in that particular program year. The crops exhibit at the State Fair demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.

For more information contact the Extension Office.

Plant Science – 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.

Forestry Classes

Knowing Trees as Individuals (Leaf Collections)

5100 Forestry Collection: (Choose either A or B) Only those exhibiting at the state fair for the first year may enter this class.

A. Exhibit a minimum of 10 different leaves from native Kansas trees collected within the year. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 5 native Kansas trees showing leaf, twig and fruit from each species collected.

5101 Forestry Collection: (Choose either A or B) This class is open to those exhibiting either for the first or second time at the state fair.

A. Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 10 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

5102 Forestry Collection: (Choose either A or B) This class is open to those exhibiting either for the third or fourth time at the state fair.

A. Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 15 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

5103 Forestry Collection: (Choose either A or B) This class is open to those exhibiting the fifth time or more at the state fair.

A. Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 20 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 10 new leaf, twig and fruit specimens.

How A Tree Grows

5104 Notebook: Entry may include a project notebook with 10 or more seeds collected with pictures showing a germination study or a mounting of a thin section of wood cut from the end of a log or top of stump labeled with information such as kind of wood and age of tree when cut or exhibits an illustration of how a tree grows.

Tree Appreciation

5105 Notebook: Entry may include research or reporting project notebook with no more than 10 pages based on the exhibitor's selected tree. Exhibit must be a different species of tree each year. This notebook may include sketches, drawings, pictures, a story, or any other things which will help tell about the tree you have selected.

Growing and Protecting Trees

5106 Display/Notebook: Entry requires a display, or project notebook, telling about project and pictures before, during, & after planting seedlings, a container tree, or a balled and burlapped tree. Maximum tri-fold size is 3' x 4'.

Tree Culture

5107 Display/Notebook: Entry requires a display, or project notebook, showing your project work and includes pictures of before, during and after wood lot improvement. Maximum tri-fold size is 3' x 4'.

How Forests Serve Us

5108 Entry may include collected wood samples (all or partial) and essay. Wood sample display to be mounted on poster board or any stiff material no larger than a 3' x 4' tri-fold. Essay should be displayed in a covered binder. Educational/Creative Exhibit

5109 Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials that will withstand State Fair conditions. This is a good class to exhibit an unusual collection.

Plant Science - Horticulture

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.

Rules:

1. All horticultural exhibits must be grown by the exhibitor.
2. Secure entry form to disposable plate or container with string or tape. Use a sturdy disposable plate, bowl or container that will support the weight of the produce.
3. A member may enter up to a total of 4 produce items, according to the number qualified at the county/district fair, each a different type of produce, from classes 2501-2507. Members may enter multiple entries in an individual class, provided each entry is a different type of produce. Ex. Class 2502 – Medium Vegetable; member may enter tomatoes, peppers and cucumbers under the same class number.
4. An exhibitor earning a purple ribbon at their county/district fair on an out-of-season vegetable/fruit/herb (ex. Early peas) may substitute another vegetable/fruit/herb (ex. Pumpkin) in its place at the State Fair.

Horticulture Classes

Produce Exhibits

2500 Garden Display: Each exhibitor in this class will be limited to four square feet of space. The Garden Display must be exhibited in a tray, basket or container that can be easily moved by the fair staff. Exhibit consists of five different types of fresh vegetables or fruits. Canned products and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The numbers of the five types of vegetables or fruits to be exhibited are as follows:

- **Large Vegetables (One Each):** Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Squash, Watermelon
- **Medium Vegetables (Five Each):** Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Radishes, Sweet Potatoes, Tomatoes, or other similar sized vegetable
- **Small Vegetables (Twelve Each):** Green snap beans, wax beans, English peas, or other similar sized vegetables
- **Small fruits (One half pint box):** Strawberries, blackberries, raspberries, or other similar sized fruits.
- **Tree fruits (5 each):** Apples, pears, peaches, or similar sized fruits.
- **Grapes (2 bunches)**

Produce Classes

2501 Small vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, other small vegetables.

2502 Medium vegetable specimen plate (5) Ex: cucumbers, cherry tomatoes, tomatoes, beets, white onions, yellow onions, red onions, bell peppers, other peppers, okra, parsnips, radishes, turnips, sweet potatoes, red potatoes, white or Russet potatoes, carrots, miniature pumpkin, decorative gourds, or other medium vegetables.

2503 Large vegetable specimen plate (1) Ex: watermelon, summer squash, winter squash, large type pumpkin, eggplant, cabbage, cantaloupe, other large vegetable.

2504 Fresh Culinary herbs (6) ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.

2505 Small fruits (one half pint box) Ex. Strawberries, blackberries, raspberries, or other similar sized fruits. (if other, please include name of fruit on entry).

2506 Tree fruits (plate of 5) Ex. apples, pears, peaches, or similar sized fruits.

2507 Grapes (plate of 2 bunches).

Floral Exhibits

1. A 4-H member may enter up to 4 floral exhibits plus one horticulture notebook in classes 5600-5604, according to the number qualified at the county/district fair. Members may enter multiple entries in a single class in classes 5600-5601 provided each flower specimen is of a different species. EX: Class 5600 – Annual Garden Flower, member may enter sunflowers, zinnias, and marigolds under the same class number.
2. Members are encouraged to exhibit cut flowers and fresh floral arrangements in disposable containers. If a non-disposable container is used mark it plainly with your name and county/district. The State Fair is not responsible for the loss or damage to any flower arrangements, vases or containers. Containers cannot be picked up until release time on the last Sunday of the State Fair.
3. All floral materials must be grown and/or collected by the exhibitors. Do not use purchased plant materials. Entries should not take over one square foot of table space.
4. Potted plants are not accepted.
5. All entries must be freestanding, easily moved, and not require any special equipment to display. Hanging entries are not accepted.

Floral Classes

5600 Annual Garden Flower, cut specimen, single stem.

5601 Perennial Garden Flower, cut specimen, single stem.

5602 Fresh Flower Arrangement. Flower materials must be grown and/or collected by exhibitor, not purchased.

5603 Dried flower Arrangement, no fabric or plastic material allowed.

5604 Horticulture Notebook. Entry shall consist of a notebook or three ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. 4-Hers are encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. Exhibitor may enter one horticulture notebook.

Horticulture notebook scoring is based on the following criteria:

- Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) 20%,
- Narrative (including goals, successes, failures, etc.) 40%,
- General Content (subject matter, photos, maps, knowledge gained, etc.) 40%

***SELF-DETERMINED PROJECT**

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 included in the 4-H project listing? Then, this is your opportunity to create your own project. Research a sport, hobby or career - the sky is the limit! Exhibit is to be one item or article that the member prepares.

Self-Determined Classes

0311 – Self-Determined Exhibit*

*This is not a State Fair Eligible entry

SHOOTING SPORTS

The Shooting Sports project teaches gun safety, care and safety of shooting sports equipment, hunting practices, and provides an opportunity to test your skills. The fair classes are designed to provide an opportunity for youth to educate others about what they have learned through the project or to promote the benefits of participation.

For more information contact the Extension Office.

STEM PROJECTS

(Science, Technology, Engineering, Math)

STEM – AG MECHANICS

The Ag Mechanics project is starting with an emphasis on welding and smithing, it will expand as the project area grows. Please direct project feedback to Tony Foster. This project allows youth to explore areas of ag mechanics and metallurgy from repairing or repurposing 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.

STEM Ag Mechanics Rules

1. 4-H members must be currently enrolled in the Kansas 4-H STEM Ag Mechanics (welding) project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibits must have been constructed or repaired during the current 4-H year. The exhibit must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon Ag Mechanics exhibits which meet State Fair guidelines.
3. Wheeled exhibits must utilize a braking mechanism which prevents the exhibit from freely rolling while on display.
4. Exhibitors are responsible for providing sufficient braking or “chocks” for trailer exhibits to ensure that the exhibits do not move once positioned. If using a wheel “chocking” mechanism, the two individual blocks should be connected together as a pair of chocks, so they do not become separated. At least one pair of chocks should be placed on each side of the trailer to prevent movement.

5. For trailer exhibits the tongue of the trailer should have a locking mechanism (e.g. padlock) to prevent the trailer from being moved by unauthorized individuals while being displayed. A key for the locking mechanism should be left with the superintendent and labeled with the exhibitor's name, county, and phone number.
6. Each exhibit must be free-standing or sufficiently supported by an exhibitor supplied support system that is moveable and is part of the total demission's and weight of the exhibit as described previously. Exhibit display boards should have a portable and moveable base and examples should be firmly affixed to the board to ensure all parts of the display stay together. No exhibits may be staked to the ground for display.
7. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display.
8. Exhibits may not be bound, affixed, attached to the State Fair buildings, except by the superintendent, State Fair Staff, or State Fair Extension Staff.
9. Painting or spot painting is not allowed on projects after arrival on fairgrounds. If wet paint is detected by judges or superintendents one ribbon placing will be deducted.
10. Repair projects having adequate original finish need not be repainted.
11. Cutting surfaces, such as blades, are to have a protective covering over them to prevent injury. The covering should be easily removed and reinstalled for judging. Foam "pool noodles" and multiple layers of cardboard are acceptable.
12. Display cases for small exhibits are acceptable and must be easily opened so the item can be removed and examined as part of judging.
13. Exhibits that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession, or creation, physical and/or electrical that is intended to be used to inflict damage and/or harm to individuals, animal life, and/or property.
14. Trailers and large exhibits (those larger than 5 feet in any dimension) may be displayed outside, and exhibitors with such exhibits are to contact the Kansas State 4-h office **NO LATER THAN August 24th** to arrange placement time and location.
15. If the exhibit is powered by flammable liquids (gas, propane, kerosene, etc.) the fuel tank and lines should be drained and allowed to dry, to avoid spills and potential fires.
16. Electric powered (battery, corded, solar, or alternative energy) should have a primary shutoff or disconnect switch.
17. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a deduction in ribbon placement or a participation ribbon.
18. The exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the display.
19. Each exhibit, except for display boards, must include an Ag Mechanics information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
20. Each exhibitor is required to complete the "4-H STEM Ag Mechanics Exhibit Information Form" for each exhibit, except for display boards, which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of all forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year.
21. Each exhibit information packet should include the following items:
 - a. Bill of materials for the project with associated costs, scrap items used may be listed as having a \$0.00 cost.

- b. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state.
 - c. If appropriate schematics or working drawings relating to the creation or repair, this is not required for display boards.
 - d. If appropriate operating instructions.
1. Additionally, exhibitors may create an optional video (not required) about their project showing its operation and the work they have done. This allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit. The video should be no longer than 8 minutes and should be placed on a USB drive. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
 - a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.
 23. Ag Mechanics exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening, without the express consent of the State 4-H Staff. Any exhibit removed before release time will be disqualified.

STEM – Ag Classes

Introductory – Level 1 (about 1 - 3 years' experience)

This level is designed for youth with little to no exposure in the project area so that they can gain an understanding of basic principles and methods in the given area.

5550 Welding Display Board. A 3' x 3' display board with different pieces of metal attached illustrating different types of welds, each weld being labeled.

5551 Level 1 Welding Ag Repair. Repair of ag equipment with welding.

5552 Level 1 Welding Ag Fabrication. Creation of new ag equipment with welding.

5553 Level 1 Welding General Repair. Repair of non-ag equipment with welding.

5554 Level 1 Welding General Fabrication. Creation of non-ag equipment with welding.

5555 Level 1 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.

5556 Level 1 Brazing Repair.

5557 Level 1 Brazing Fabrication.

5558 Smithing Display Board. A 3' x 3' display board with different pieces of forged metal attached illustrating different forms, each form being labeled.

5559 Level 1 Smithing. A design forged with at least **one** formed element (twists or spirals for example).

Experienced – Level 2 (about 4 - 6 years' experience)

This level is designed for youth some experience in the project area allowing them to expand on common principles and methods in the given area.

5560 Level 2 Welding Ag Repair. Repair of ag equipment with welding.

5561 Level 2 Welding Ag Fabrication. Creation of new ag equipment with welding.

- 5562** Level 2 Welding General Repair. Repair of non-ag equipment with welding.
- 5563** Level 2 Welding General Fabrication. Creation of non-ag equipment with welding.
- 5564** Level 2 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 5565** Level 2 Brazing Repair.
- 5566** Level 2 Brazing Fabrication.
- 5567** Level 2 Smithing. A design forged with at least **two** different formed elements (twists and spirals for example).

Advanced – Level 3 (about 7 - 9 years' experience)

This level is designed for youth with vast experience in the project area allowing them to master common principles and methods and expand on advanced techniques in the given area.

- 5570** Level 3 Welding Ag Repair. Repair of ag equipment with welding.
- 5571** Level 3 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 5572** Level 3 Welding General Repair. Repair of non-ag equipment with welding.
- 5573** Level 3 Welding General Fabrication. Creation of non-ag equipment with welding.
- 5574** Level 3 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 5575** Level 3 Brazing Repair.
- 5576** Level 3 Brazing Fabrication.
- 5577** Level 3 Smithing. A design forged with at least **three** different formed elements (twists, spirals and bulbs for example).

Master – Level 4 (10 or more years' experience)

This level is designed for youth substantial experience in the project area allowing them to master advanced techniques in the given area.

- 5580** Level 4 Welding Ag Repair. Repair of ag equipment with welding.
- 5581** Level 4 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 5582** Level 4 Welding General Repair. Repair of non-ag equipment with welding.
- 5583** Level 4 Welding General Fabrication. Creation of non-ag equipment with welding.
- 5584** Level 4 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 5585** Level 4 Brazing Repair.
- 5586** Level 4 Brazing Fabrication.
- 5587** Level 4 Smithing. A design forged with at least **four** different elements (twists, spirals and bulbs for example).

STEM – ARCHITECTURAL BLOCK CONSTRUCTION

The STEM ABC exhibit area focuses on using architectural blocks (“Legos”) to construct dioramas. This project allows youth to explore architectural design in a three-dimensional space. The intent for this program is to allow youth to explore the construct and gain knowledge through interaction with a common toy. This division is not intended for youth wishing to exhibit constructed kits. Kits and non-diorama displays should not be displayed in this division.

Rules

1. 4-H members must be currently enrolled in the Kansas 4-H STEM – Architectural Block Construction project to exhibit in this division.
2. Each exhibitor may enter one exhibit. Exhibits must have been constructed during the current 4-H year. The exhibit must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon ABC exhibits which meet State Fair guidelines.
3. Counties are limited to FOUR exhibits to the state fair to insure sufficient space for all exhibitors.
4. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
5. The minimum exhibit dimensions must be at least 6 inches wide and deep.
6. All exhibits should be placed in a sturdy see through enclosure with a top, bottom, and 4 sides. A clear tub turned upside down with the exhibit placed on the lid would be an acceptable enclosure. It may be desirable to place a cutting board or other hard surface between the lid and base plate of the exhibit to make it sturdy. This is to keep exhibit components from being “scattered to parts unknown” at the fair. The outer dimensions of the enclosure **do not count** towards the total exhibit dimensions but should not be excessive.
7. All components used in construction should be dust free, clean, free of chips, scuffs, or cracks.
8. Gaps or cracks should not be visible between assembled blocks unless they fit with the story, for example an earthquake
9. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®.
10. Other components can be integrated into dioramas to illustrate architectural aspects that may be difficult to convey with traditional interlocking blocks, for example marbles for small round objects
11. The use of existing “store bought” sets for major elements of the display is not allowed, use of figurines from sets is allowed as are using individual bricks to create something different than the set it came from. The intent of this is to ensure fairness among exhibitors and encourage maximum creativity instead of just following a set of plans. a. COUNTY FAIRS may choose to add classes for kits, but exhibits in those classes are not eligible for the Kanas State Fair.
12. Dioramas should be suitably complex and have multiple elements, for example, a camp site that has a log cabin, a tree fort, and a car.
13. All dioramas should have a story, which is part of the information pack, that describes what is happening in the diorama; this can be as simple (the nursery rhyme “Jack and Jill” for example) or complex as needed to explain to someone looking at the exhibit what is happening.
14. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method
15. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, marry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If included judges should be able to use them and instructions should be provided for operation either in the story or on a separate page.
16. Artistic designs, for example recreating paintings like the “Mona Lisa” or “Starry Nights” and structures like “David” are not permitted as exhibits and one ribbon placing should be deducted. These exhibits should be displayed in Visual Arts.

17. The exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the display, additionally the display case should have the exhibitor's information attached to it as well, as the top part of the case may be separated from the display
18. Each exhibit must include an Architectural Block Construction information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
19. Each exhibitor is required to complete the "4-H STEM Architectural Block Construction Exhibit Information Form" which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
20. Each exhibit information packet should include the following items:
 - a. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state, these help in determining where a part might go in case something comes loose.
 - b. If appropriate operating instructions for mechanical portions of the diorama.
21. Additionally, exhibitors are required to create a video about their project discussing their construction experiences and the architectural elements of the diorama (tell the story of what is happening in their exhibit). This allows judges to get a better understanding of the exhibit and allows youth the opportunity to fully explain their exhibit. The video should be no longer than 8 minutes and should be placed on a USB drive. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair. a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.
22. Architectural Block Construction exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening without the express consent of the State 4-H Staff, any exhibit removed before release time will be disqualified.

STEM – Architectural Block Construction Classes

Junior (ages 7-8)

***5709** Beginning (ages 7-8) Interlocking brick diorama built from scratch or a kit

Intermediate (ages 9-13)

5710 Interlocking brick diorama built from scratch

Senior (ages 14 and up)

5711 Advanced Interlocking brick diorama built from scratch

STEM – COMPUTERS

The Kansas 4-H STEM Computer System portion of the computer project is designed to allow 4-H members to explore how information is moved from one part of the computer to the other; how information is moved between two or more computer systems (networking); how information is stored; or how information is acted on (programming).

Rules

1. Any item which IS NOT a notebook, display board, or poster displayed in this class is considered a “computer system” exhibit and MUST follow the rules set forth below.
2. The actual construction of computer hardware (i.e., building a computer, electronic devices with a motherboard-based manipulation) will remain in the Energy Management division.
3. 4-H members must be currently enrolled in the 4-H STEM – Computers project to exhibit in this division.
4. Each exhibitor may enter one exhibit per class. Exhibits must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or district should select only top blue or purple ribbon computer exhibits which meet State Fair guidelines.
5. Exhibitor’s name, county or district, 4-H age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judges’ discretion, will receive a participation ribbon.
8. All exhibits must be:
 - a. Self-contained on a USB drive (thumb drive, flash drive, jump drive, or other any other name for a small USB storage device; the rules will use “USB drive”). This means that a judge can plug in the USB drive into a computer and run the exhibit as described below.
 - b. OR System -On-A-Chip (SOC) (such as Raspberry Pi) or a Micro-Controller (such as an Arduino or Ozobot) AND is a compact (less than 8” x 8” x 8”) system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a “chip system” through the rest of the rules.
9. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
10. “Chip system” may use/include GPIO bread boards or HATs (Hardware Attached on Top) the size of which is not included in the size of the chip system however the total size of the chip system and GPIO devices may not exceed 24”X24”X24” including any protective enclosures.
11. Any attached GPIO devices are not judged for electrical construction or quality as this division is focused on the operational aspects of the system that have automated articulated structures (arms, wheels, grippers, etc.) which the exhibitor constructed, some of these systems can also be classified as a STEM Robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in both divisions.
12. For chip system, all electric components of the system must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for the electrical components.

13. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. Use of old forms should result in the loss of one ribbon placing for exhibits.
14. For all computer system entries, the following items are required as part of an exhibit packet:
 - a. A manila envelope with the Computer Exhibit Form, which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit.
 - b. A USB drive labeled with the 4-Hers name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
 - c. For exhibits that are entered on USB drives, at least one (1) graphic (picture, screen shot/capture, slide, etc.) of the project must be printed out on an 8.5" X 11" sheet of paper, **placed in a plastic sheet protector**, to allow for proper display and recognition at the Kansas State Fair. Additionally, this graphic should be included on the USB drive and given the name "display graphic." This is what will be displayed during the fair, all other materials will be sent back to the county/district office. On the back side of the graphic the 4-Her's name, county/district, and club should be listed.
 - d. Instructions to run any part of the exhibit on the USB drive. (There should be at least three (3) items in your manila envelope: USB drive, graphic and instructions).
15. Each exhibit must be accompanied by a "4-H Engineer's Journal." The engineer's journal should be typed. It can either be included electronically on the USB drive (preferred) or printed and placed in the manila envelope.
 - a. The "4-H Engineer's Journal" should start with a dated entry describing what the 4-H member is trying to accomplish/build.
 - b. The "4-H Engineer's Journal" should conclude with a dated entry describing what the 4-H member achieved in creating. (The start and end many times will be different. The judges are interested in the journey).
 - c. Additional entries in the "4-H Engineer's Journal" should be made as progress occur describing successes and failures; as well as the steps done and any sources of information including links used.
 - d. Pictures can also be included in the "4-H Engineer's Journal" but should not be more than 50% of the entries.
 - e. The "4-H Engineer's Journal" should contain at least one graphic.
 - f. The "4-H Engineer's Journal" must be at least 3 pages in length.
 - g. An example of a "4-H Engineer's Journal" can be found at www.STEM4KS.com.
 - h. The "4-H Engineer's Journal" will comprise 50% of the overall exhibit score. Failure to include a "4-H Engineer's Journal" will result in the exhibit being disqualified.
16. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive. Failure to include a copy of the "source code" may result in up to one ribbon place deduction.
17. Diagrams or decision trees showing the logical flow of the system must be included on the USB drive for all exhibits.

18. Since there is no conference judging at the Kansas State Fair, a set of instructions must be provided to run the computer system /application. These instructions should be printed off and included in the exhibit package and a copy should be included on the USB drive.
 - a. FOR COUNTY FAIRS it is recommended that 4-Hers bring a computer that will run their project to the fair for judging as judges typically do not bring computers with them. Operating instructions are still required.
 - b. Instructions should be written as though you were helping a less techy person, (like a grandparent) use the USB drive with a computer similar to what is described in rule 9 below. An example of instructions can be found at www.STEM4KS.com.
19. Each exhibit MUST include a video of the youth following their instructions for operation. For presentations, such as PowerPoint, this should include delivering the presentation. This allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit. The video should be no longer than 8 minutes and should be placed on the USB drive. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
20. Each exhibit must accomplish a specific automated task using a computer, a chip system, URL, or virtual machine (VM).
21. Kansas State Fair Judge(s) in the computer system division will have a physical computer with the following minimum configuration to test exhibits with and view files:
 - a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.
 - a. Microsoft Windows® 10 or Windows® 11
 - b. Microsoft Office® 365 (Excel, Power Point, & Word)
 - c. Microsoft Visual Studio®
 - d. Microsoft Edge Browser®
 - e. Mozilla Firefox® Browser
 - f. Google Chrome® Browser
 - g. Adobe Acrobat Reader®
 - h. Apache OpenOffice®
 - i. VMware Player Windows 64bit
 - j. Scratch Desktop editor (offline version)
22. The STEM judges will have internet access at the Kansas State Fair. Internet based content may be included in exhibits. Exhibitors should take great care and only go on-line with their guardian's permission. User names and passwords should not be included in exhibits. If they are required to view the content, a temporary user account and password should be created for judging at the Kansas State Fair, once judging is complete the user name and password should be disabled on the account. If a separate user account is not possible, the content should be included as part of the video. **YOU SHOULD NOT SHARE YOUR USER NAME OR PASSWORD WITH OTHERS.**
23. Kansas 4-H STEM has made available Linux Virtual Machines (VMs) that can be downloaded and used to create projects on such as web servers, networking, and many other projects. For more information on how these VMs can be leveraged or to download them visit www.STEM4KS.com. 4-Hers are not required to use the VMs in their projects. They are optional.

24. All licensing should be adhered to for any software used in the exhibit. Failure to do so will result in a reduction of one ribbon placing and may not be considered for best of show.
25. The creation of viruses, malware, malicious applications or code, defamatory language or graphics, bullying, or any material that is “mean,” “dangerous,” or harmful according to the judge’s opinion will result in the exhibit being disqualified.
26. Pictures or still graphics created are not eligible for entry as a project in this division and should be entered in the appropriate photography division.
27. Judging will be based on a score sheet which can be found at www.STEM4KS.com.
There are four (4) areas each exhibit will be judged on. They are:
 - a. 4-H Engineers Journal (what I learned to make it work), 50% overall score
 - b. Instructions (how I help others make it work), 25% overall score
 - c. Functionality (does it work), 12% overall score
 - d. Diagrams (and code if applicable) (how I think it works), 13% overall score.
28. Computer exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening without the express consent of State 4-H staff, any exhibit removed before release time will be disqualified.

STEM – Computers Classes

Computer System Division

- 5590** Computer program (application, app, script, or coded system that is new and unique - not merely a file run in a program, such as a ‘word document’ or a picture drawn in ‘Microsoft Paint’).
- 5591** Computer presentation (power point, web page/site, animated graphics such as gifs, etc.).
- 5592** Single computer system (web server, database server, etc.) represented as a virtual machine).
- 5593** Networked system (consisting of two or more virtual machines).
- 5594** Chip system - a small (8”X8”X8”) programmed physical device that accomplishes a specific task.

STEM – ROBOTICS

The Kansas 4-H STEM Robotics program is designed to allow 4-H members to explore robotics through robots of various designs.

Rules:

1. 4-H members must be currently enrolled in the Kansas 4-H STEM - Robotics project to exhibit in this division.
2. Each exhibitor may enter one robot per class. Exhibits must have been constructed and/or completed during the current 4-H year. The robot must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon robot exhibits which meet State Fair guidelines.
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.

4. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer system division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer system projects as the skill is focused on the programming not on the construction of the robot.
5. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displayed in a case (not required or encouraged for the state fair, but strongly encouraged for county fairs) the outside case dimensions may not be more than 26 inches in height, width, or depth.
6. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robots' dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container (Examples: 4" x 4" x 36" or 4" x 8" x 18" or 6" x 6" x 16"). The container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitor's name(s) and county or district.
7. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.
8. Robots may be powered by an electrical, battery, water, air, or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession, or creation, physical and/or electrical that is intended to inflict damage and/or harm to individuals, animal life, and/or property.
9. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Robotic arms (hydraulic or electric) are allowed. A remote is allowed, provided more than a single action happens when a single button is pressed on the remote, for example "a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds." Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
10. Each robot must be in working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete its intended task. In the event the robot uses a phone, tablet, or similar device for both programming AND control of the robot a video will be used to evaluate the working condition of the robot.
11. Each exhibitor is required to complete the "4-H STEM Robotics Exhibit Information Form" which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms should result in the loss of one ribbon placing for exhibits.
12. The exhibit must include written instructions for operation (the instructions should be written as if they were to tell a grandparent or elderly person how to operate the robot), construction plans, and one to three pages of project photographs. In addition, a 5-minute video presentation placed on a CD, DVD, USB drive, or similar removable storage device, if applicable. For robots that can be programmed, robot programming information must be included, this information should be placed inside the 10" x 13" manila envelope mentioned above. Robot programming information can be, but not limited to, source code, block diagrams, screen captures of the coding window, and other images that show the

programming logic used. The exhibitor may enter their electronic project listed under the energy management program if the exhibitor so chooses. No exhibitor will be allowed to set up their robot in person.

13. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device's safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.
14. Each exhibit MUST include a video of the youth following their instructions for operation. This allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit. The video should be no longer than 8 minutes and should be placed on the CD, DVD, USB drive, or similar. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
15. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor Creativity, workmanship, and functionality will be strong criteria in judging the "Robot designed by Exhibitor" classes. All robots should have a purpose or intended function, examples include, but are not limited to following a line, sweeping the floor, solving a Rubix Cube, sorting colors, or climbing stairs.
16. Exhibitor's name(s) and county or district must be tagged or labeled on the robot such as on the bottom of the robot, exhibit cards are not an acceptable form of labeling
17. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-HSTEM Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H STEM project.
18. Robotics exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening without the express consent of State 4-H staff, any exhibit removed before release time will be disqualified.
19. See the last section for full details about exhibiting posters, display boards and notebooks.

STEM – Robotics Classes

***Junior Division (Ages 7-8 years)**

5508 Beginner (ages 7-8) – Robot made from a kit or designed by exhibitor.

Intermediate Division (Ages 9 – 13 years)

5509 Robot made from a commercial (purchased) kit (no programming, just assembly).

5510 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5511 Programmable robot made from a commercial (purchased) kit.

5544 Junk Drawer Robotics.

5546 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote-controlled device

Senior Division (Age 14 years and older)

5513 Robot made from a commercial (purchased) kit (no programming just assembly).

5514 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5515 Programmable robot made from a commercial (purchased) kit.

5547 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote-controlled device.

5545 Junk Drawer Robotics.

Division D – Team Robotics Project

5517 Robot designed and constructed by two or more 4-H STEM project members. The robot must not be a mere modification of an existing robot kit or plan. The robot may be a programmable type that is made from a commercial (purchased) kit. This division is designed to encourage teamwork and cooperation among fellow 4-HSTEM members. As with many high-tech projects today, no one person designs and builds a robot alone. It takes the brainstorming, planning, problem solving, and cooperation of an entire team to complete a given robotics project.

Other STEM Projects:

For more information contact the Extension Office.

STEM – ASTRONOMY: The STEM exhibit area is designed to provide youth the opportunity to explore space through telescopes, research, and observation.

STEM – ENERGY MANAGEMENT: Through the Electric/Electronics or Small Engines, you will have the opportunity to educate others about what youth have learned through the project or to promote the benefits of participation in those project areas.

STEM – ROCKETRY The Kansas 4-H STEM Rocketry program is designed to allow 4-H members to explore aerospace through rockets of various sizes. Kansas 4-H has adopted the National Association of Rocketry’s rules, regulations, and safety guidelines.

STEM – UNMANNED AERIAL SYSTEM: The 4-H unmanned aerial system or UAS project explores the world from above the trees and discovers new frontiers with UASs. UASs are commonly known as Unmanned Aerial Vehicles (UAVs) or drones. Members explore the uses and applications of unmanned aerial system including how UASs link to other projects such as geology, robotics, electronics, crop science and many more.

**STEM – EDUCATIONAL EXHIBITS
(Posters, Notebooks, and Display Boards)**

To allow 4-Hers to explore STEM outside the bounds of traditional projects for rockets, robotics, astronomy, computers and unmanned aerial system. All posters, notebooks and display boards are listed in this section and have been removed from the individual sections to save space.

Rules:

1. The General Exhibit rules for ALL categories apply.
2. Entries must have been selected at the county level for entry at the Kansas State Fair. Counties/Districts should select top blue or purple ribbon Educational Rocketry Exhibits which meet State Fair guidelines.
3. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
4. Exhibits are to have a **clear link to the STEM areas** of astronomy, computers, rocketry, robotics, or unmanned aerial systems, educational exhibits outside of these STEM areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of STEM does not qualify it to be displayed in the STEM Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the STEM project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
5. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
6. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have increased while completing the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet available at www.STEM4KS.com. For example, a rocket that may have crashed and/or is highly damaged may be made into an educational display or poster that tells a great story with many lessons learned.
7. Follow copyright laws, citing all sources of information in a standard notation Sources of information must be cited on the front of your exhibit, including all posters and educational display boards.
8. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
9. "Construction Kits" that are part of Educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 1' x 2' x 2' and must have a latch which securely keeps all components contained in the "Construction Kits". Other components are to adhere to appropriate dimensions as stated elsewhere.
10. Educational Project notebooks must be organized in a 3-ring binder.
11. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
12. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
13. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the, notebook, and/or "Construction Kit." For education displays and/or posters the exhibitor's name, county, or district, age, and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in one ribbon placing deduction.
14. Exhibits should possess the following qualities (in no particular order):
 - a. A Central theme
 - b. What you want others to learn

- c. Be designed and constructed in a manner befitting the exhibit
 - d. Be something you are interested in
 - e. Be related to Astronomy. Computer System, Robotics, Rocketry, or Unmanned Aerial System
 - f. As well as those characteristics described above.
15. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
16. Posters, Notebooks, and Display Boards may be checked out for use in a Kansas State Fair 4-H demonstration or illustrated talk with prior permission. For permission, check with the superintendent(s). The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified.

STEM Educational Exhibit Classes

Astronomy – Intermediate Division (Ages 9 – 13)

- 5731** Intermediate Astronomy Educational Display
- 5732** Intermediate Astronomy Educational Notebook
- 5733** Intermediate Astronomy Educational Poster

Astronomy – Senior Division (Ages 14 years and older)

- 5736** Senior Astronomy Educational Display
- 5737** Senior Astronomy Educational Notebook
- 3738** Senior Astronomy Educational Poster

Rocketry – Intermediate Division (Ages 9 – 13)

- 5741** Rocketry Educational Display
- 5742** Rocketry Notebook
- 5743** Rocketry Poster Board

Rocketry – Senior Division (Ages 14 years and older)

- 5746** Rocketry Educational Display
- 5747** Rocketry Notebook
- 5748** Rocketry Poster Board

Robotics – Intermediate Division (Ages 9 – 13)

- 5756** Robotics Educational Display
- 5757** Robotics Educational Notebook
- 5758** Robotics Educational Poster

Robotics – Senior Division (Ages 14 years and older)

- 5761** Robotics Educational Display
- 5762** Robotics Educational Notebook
- 5763** Robotics Educational Poster

Robotics Team Robotics Project

- 5766** Team Robotics Educational Display
- 5767** Team Robotics Educational Notebook
- 5768** Team Robotics Educational Poster

Computers – Intermediate Division (Ages 9 – 13)

- 5771** Junior Computer Educational Poster
- 5772** Junior Computer Display Board
- 5773** Junior Computer Notebook

Computers – Senior Division (Ages 14 years and older)

- 5776** Senior Computer Educational Poster
- 5777** Senior Computer Display Board
- 5778** Senior Computer Notebook

Unmanned Aerial System – Intermediate Division (Ages 9 – 13)

5781 Intermediate Unmanned Aerial System Educational Poster

5782 Intermediate Unmanned Aerial System Display Board

5783 Intermediate Unmanned Aerial System Notebook

Unmanned Aerial System – Senior Division (Ages 14 years and older)

5786 Senior Unmanned Aerial System Educational Poster

5787 Senior Unmanned Aerial System Display Board

5788 Senior Unmanned Aerial System Notebook

Junior Division (Ages 7-8)

5728 Beginner STEM Display

5729 Beginner STEM Notebook

5730 Beginner STEM Poster

VISUAL ARTS

The visual arts project teaches artistic skills and the elements and principles of design. 4-H members explore techniques, study art history, culture, and discover their talents. Be creative; draw, paint and work with different mediums. There are five classes that are judged at the Kansas State Fair: Fine Arts, Clay and Ceramics, Leather and Jewelry, Three Dimensional, and General Crafts.

Rules:

1. All exhibits which need to be hung **MUST** have a wire or saw tooth hanger attached (no string or tape) in order to be properly displayed. If necessary hardware is not attached, it may not be displayed.
2. Multi-piece items should be marked accordingly.
3. 4- H members should exhibit in the project in which they are enrolled. The Fiber Arts Project offers classes for quilting, embroidery, counted-cross stitch, etc.
4. 4-H'ers may exhibit two items in each class and must be enrolled in Visual Arts. A total number of six items may be entered.
5. Art work should be ready to display or hung to be complete. Drawings and sketches should be mounted on heavy paper with a border or matted and framed so they may be hung for display.
6. Visual Arts exhibits will be judged by consultation. It is recommended that members be present for consultation judging, but it is not a requirement. All exhibits will be judged. However, consultation judging can be a great learning experience.

Visual Arts Classes

Age Divisions: Junior (ages 7-13) Senior (ages 14-18)

4501 Fine Arts: Oil, chalk, charcoal, dyes, pastels, pencil, ink, acrylic, or watercolor on canvas, canvas board, paper, wood, metal, or textiles, framed as a picture, prepared for hanging. Stretched canvas art on a wooden frame is considered prepared for hanging provided that frame has a hanger.

4502 Clay and Ceramics: Any original item made of clay; may be fired or unfired, hand formed, or thrown on a wheel. Self-hardening, fire/oven-cured, and/or cornstarch clays are acceptable. Items can include, but are not limited to, clay statues, bowls, etc.

4503 Leather and Jewelry: Any leather stamping, carving, tooling, lacing, or stitching piece or any jewelry piece made from any medium are acceptable exhibits.

4504 Three Dimensional: The piece must be observable on at least three sides and should be either free-standing or prepared to be hung. Craft and pre-formed or assembled projects are not acceptable.

4505 General Crafts: This category incorporates miscellaneous pieces that do not correspond to the four, above-mentioned categories.

WILDLIFE

This project is for all youth, whether living in the city, the country, or in between. Kansas wildlife are an important part of our state heritage and environment, ranging from buffalo to birds to fish to deer and more. In this project you will learn about wildlife behavior, habitat requirements, how wildlife species fit into nature's scheme, how they are managed, and how they relate to humans.

For more information contact the Extension Office.

WOODWORKING

The Wood Science project allows youth to exhibit a wide variety of items they made working with wood, using tools. Learn to create and read plans to build projects for the farm, shop, household or other areas.

Rules:

1. The plan from which it was constructed must be with the article exhibited. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide. Please note: a set of step by step instructions is not a plan
2. Projects with missing or insufficient plans will be lowered one ribbon placing (i.e. a blue-ribbon exhibit will receive a red ribbon).
3. The use of materials other than wood should be kept to a minimum.
4. Projects that have unsecured glass, i.e., glass shelves, glass top of a coffee table, etc., should not be brought to the fair. Glass that is secured in the project, i.e., glass front of a gun case or cabinet, etc., is permissible since it cannot be easily removed.
5. The entry card, plans and all other paperwork should be secured to the project in some manner. Tape is usually not adequate to accomplish this. It is recommended to use a zip top plastic bag with a hole punched through it and using string to tie this to the exhibit.
6. Refinished/ repaired furniture should be exhibited in Home Environment Class 4400 - Single Exhibit.
7. Projects made from pre-cut kits are not allowed.
8. In judging woodwork articles, consideration will be given to: Workmanship, including accuracy to the plan; Design; Choice of wood; Suitability and quality of finish; and Usefulness.

9. Firearms and weapons are not to be entered or displayed.

Woodworking Classes

Age Divisions: Junior (ages 7-13) Senior (ages 14-18)

Junior (ages 7-13)

4700 Article for farm or shop use

4701 Furniture for household or lawn use

4702 Other woodwork. Articles not included in above classes. Examples: bird houses, bird feeders, household equipment such as knife racks, bread boards, door stops, etc.

Senior (ages 14-18)

4700a Article for farm or shop use

4701a Furniture for household or lawn use

4702a Other woodwork. Articles not included in above classes. Examples: bird houses, bird feeders, household equipment such as knife racks, bread boards, door stops, etc.

LIVESTOCK DIVISION

General Regulations

Age Divisions: (based on January 1 of current year)

Senior (Age 14 through 19), Intermediate (Age 11 through 13), Junior (Age 10 and under)

1. Livestock must be shown by owner. Exceptions will only be made with prior approval of the superintendent.
2. Only exhibitors, show personnel and judges are allowed in the ring. Violation of this rule results in immediate disqualification.
3. Grooming of the animals should be done by the exhibitor as much as possible. Some assistance may be provided by immediate family, project leaders or other 4-H members. If help is needed, the exhibitor must be present. No professional help is allowed. Violation will disqualify the exhibit.
4. Ownership required:
 - a. 90 day - sheep, swine, beef heifers and goats
 - b. 120 day - market beef
 - c. by May 1st - horses, and pets
 - d. by June 1st - dairy heifers, bucket calves and poultry
5. In all showmanship classes, the animal shown must be entered in a market or breeding class. All showmanship participants must own the animal which they exhibit. Pre-entry is required.
6. Market classes will be shown by weight, not by breed.
7. Breeding animals will be shown by breed. Breed should be declared on the entry form. If less than 2 animals per breed, classes will be combined
8. All weights are final and official at the end of weigh-in.
9. Underweight market animals are ineligible to show for Grand and Reserve Champion awards, and are not eligible for the Premium Sale.
10. All species of livestock will be penned together by clubs. Bucket calves will be treated as a separate species.
11. All breeding animals which are exhibited at the fair must be the property the 4-Her.
12. The use of tranquilizers, sedatives, steroids, etc. will result in disqualification from competition and the premium sale, and all ribbon money will be forfeited.
13. All animals must be kept in assigned pens or stalls, except during tie out time approved by superintendent and may not be tied around the arena.
14. At the time of weigh-in and showing, all market lambs must be slick shorn with an even length of wool covering above the hock and knee (head and belly excluded). Wool length should not exceed .25 inch. Lambs with excessive, or uneven wool cover will not be weighed or checked in until shorn to meet the satisfaction of the Sheep superintendent. Lambs shorn after check-in must be shorn with the same type of comb over the entire body. No blankets or tubes should be worn during weigh-in of any animal.
15. All market animals shall be tagged at Spring Weigh-Ins with a 4-H tag. Sheep and goats must have a scrapies tag.

16. Physical Abuse of any animal will not be tolerated and will be grounds for disqualification. The Show superintendents have the right to interpret this rule.
17. Livestock will be watched by a three-person committee appointed by the Livestock Sale Committee and if an animal is wild and unruly to the point of being a hazard to the public, the animal may be sent home.
18. All animals are subject to examination by the exhibition staff or their representatives and shall be free of clinical signs of infectious or contagious disease. Animals determined by exhibition staff to have not met listed requirements will not be permitted to exhibit.

Special Contests and Awards

(Complete guidelines are available at the Extension Office.)

Round Robin Showmanship Contest - The champion and reserve champion overall showmen in beef, sheep, swine, horse, and goats are eligible to compete. Each 4-H'er must show his or her own animal during preliminary showmanship competition. If a 4-H'er qualifies for Round Robin in more than one livestock species, the 1st species he qualifies with is the species he will show in the Round Robin. The reserve champion in the other livestock category will then be allowed to compete in the Round Robin contest. If grand and reserve have both qualified it will be chosen from grand or reserve from other age divisions.

Rate of Gain Contest — Market beef, market swine, market lambs, and meat goats are eligible to compete. Spring weigh-in weight will be the official beginning weight. County Fair weigh-in weight will be the official ending weight. Ending weight less beginning weight divided by days on feed (time between the two weigh-ins) will determine the gain in pounds per day. A plaque will be presented to the Champion in each species.

Herdsmen Award — These awards go to the exhibitor or group of exhibitors in each large animal species who did the best job of taking care of their livestock, keeping the pens or stalls clean and neat, decorating the area and working well with others exhibitors, leaders and the public.

Celebrity Showmanship—Each Grand Champion showmanship winner of the market species will pick an adult representative at the end of the showmanship.

4-H Year 2022-2023 Premium Sale Rules

Educational Requirements for Sale

1. Must attend and/or participate in at least **3 livestock educational events** that are approved by the Chautauqua County Sale Committee and/or a Rolling Prairie Extension Agent. The events should pertain to the 4 species that are eligible for the premium sale. Horse, poultry and rabbit events will not count. 4-H members should try to vary the types of educational requirements they attend.
 - a. Rolling Prairie Livestock Project Meetings
 - b. Exhibit in a spring livestock show
 - c. Participate in a livestock judging contest
 - d. Participate in a livestock educational tour/event
 - e. Youth for the Quality Care of Animals (YQCA) Certification
 - f. Present a market livestock presentation at County 4-H Club Days
 - g. Write a Story about or do a Financial Analysis of your Livestock Project. The story must be age appropriate. The financial analysis must be signed by a loan officer at a lending institution.

These requirements should be met between August 1, 2021 and the Chautauqua County 4-H Fair entry deadline.

2. To sell in the premium sale, animals must be of a packer acceptable weight based on the scales at the fair. ***Animals may go across the scales two times if under-weight. Under-weight animals may be feed & watered under supervision but must reweigh in the time allotted. No drenching of animals. Superintendent has the overall say in ethical treatment of animals.*** The minimum weight for each species is:
 - a. Steers 1,050 pounds (11a-12p)
 - b. Pigs 210 pounds (8a-9a)
 - c. Lambs 90 pounds (9a-10a)
 - d. Goats 50 pounds (10a-11a)
3. All identification tags will be punched on of all animals sold in the premium sale. Attempts will be made by the extension agent to get packer bids from the nearest buying station for all animals shown at the fair. All bids will be printed in the final sale bill. (To give the 4-Hers more options to get the best possible price for their animals, we will not require that premium sale animals have to be sold to these packers.)
4. 4-Hers participating in the premium sale can only sell **two** things in the premium sale.
5. Animals must be shown in their assigned class to be eligible to sale.
6. Chautauqua County Premium Sale is a terminal sale. Animals sold at Premium Sale may not be taken to or displayed at any other fair or show.

The Livestock Premium Sale will be Saturday, July 23, at 6:00 pm.

PREMIUM SALE COMMITTEE

Becky Williams

Amy Goode

Sonny Williams

Damon Snyder

Donnie Underwood

Logan Underwood

Jimmie Snyder

Dean Wolfe

Lana Williams

Denise Signer

Jamie Walker

Lindsey Carter

Jessica Rainbolt

Crystal Wade

BEEF

1. To compete in this division, 4-Hers must be enrolled in the beef project.
2. Breeding heifers must have been purchased at least 90 days prior to fair date.
3. Market beef must have been purchased at least 120 days prior to fair date.
4. All market beef must weigh a minimum of 1,050 pounds to be eligible for the premium sale.
5. All market beef must be tagged at Spring Weigh-In. All beef will be shown by weight, not by breed. A minimum of three animals will be allowed in each weight division. Classes will be formed by beef superintendents immediately following the conclusion of weigh-ins, and a list of classes will be posted in the 4-H Livestock Barn.
6. Beef Heifers – Designate both breed and age on entry card. Example: Class 411a
7. To show in the Cow/Calf Class, both the cow and the calf will be beef cattle shown in halter.

Beef Showmanship

0403 Senior Beef Showmanship

0404 Intermediate Beef Showmanship

0405 Junior Beef Showmanship

Grand Champion Overall Beef Showman- to be selected from Champion Senior, Intermediate and Junior Showmen.

Reserve Champion Overall Beef Showman - to be selected from the champions plus the reserve champion from the grand champion's age division.

Beef

0406 Crossbred Market Beef

0407 Registered Market Beef

Beef Heifers

0408 Crossbred Heifer

0409 Registered Heifer

0410 Cow Calf Pair

BUCKET CALF

A bucket calf is an orphan or newborn calf; male or female; dairy, beef, or cross; fed on bucket or bottle.

1. Calves must be purchased between January 1 and June 1 of current project year within two weeks of birth. Judging to be based on: what 4-H'er learned about caring for and raising calf.

2. Fitting and showing according to either beef or dairy standards, with emphasis on how much the 4-H'er learned and can do without help. The general health of the calf and knowledge of 4-Her in health-related areas.
3. Dairy or beef quality of calf is not to be considered, since purchase is not made on that basis.
4. Completion of record sheet to the best of member's ability.
5. Bucket calves are not eligible for participation in Beef Showmanship, Round Robin Showmanship or the Premium Sale.
6. If you show a bucket calf you cannot show a beef in the beef division.

0401 7 - 9 years of age as of January 1.

0402 10 - 13 years of age as of January 1.

GOATS

1. Exhibitors should be neatly and appropriately dressed when showing animals. (preferably wearing white when showing dairy goats)
2. Showmanship class will precede the breed classes.
3. Goats will be stalled in the sheep and beef barn
4. All breeds will be shown together according to age.
5. Exhibitor must own the animals shown 90 days prior to the show.

0430 Senior Goat Showmanship

0431 Intermediate Goat Showmanship

0432 Junior Goat Showmanship

Grand Champion Overall Goat Showman - to be selected from the Champion Senior, Intermediate, and Junior Showmen.

Reserve Champion Overall Showman - to be selected from the champions plus the reserve champion from the overall champion's age division.

Dairy Goat Classes

0433 Junior Dairy Goat – Never Freshened

0434 Senior Dairy Goat – In Milk or Previously Freshened

Meat Goat

1. The market goat must have milk teeth only, no breaking of the skin or eruption of two permanent front teeth.
2. Both weathers and does may be shown in the market goat class; however, if doe is shown in the market classes she may not be shown in the breeding class.
3. The market goats must weigh 50 pounds or more.
4. Market classes will be divided by weight, classes will be formed immediately following the conclusion of the weigh-in by the goat superintendent. A list of classes will be posted in the 4-H livestock barn.

5. All meat goats (market and breeding) must be owned by the 4-Her for 90 days prior to the show date.
6. All goats must be identified with an official USDA Premise ID tag (Scrapie tag).
7. In addition to general requirements all goats shall be:
 - a. Be free of any signs of a sore mouth.
 - b. Be free of any signs of ringworm, warts or infestation of mange.
8. Goats must be shown with all four feet on the ground. Exhibitors may use a collar, a collar with a short lead, or a halter when showing. Medium/3mm or smaller pinch collars will be allowed. During the judge's inspection or handling, all four feet are required to be in contact with the ground.
9. Wethers are suggested to be dehorned. However, if horns are left, they should be tipped and rounded. Commercial doe horns should be tipped and rounded.
10. Market goats must be "slick shorn" with an equal amount of hair above the knee and hock. A maximum of 0.4 inch of hair is permitted. Hair on the tail switch is permitted.
11. Artificial coloring, paint, adhesive, or powder will not be permitted for use on goats during the show.
12. Breeding does will be shown by breed with a Grand Champion and Reserve Grand Champion chosen from breed champions. If less than four does per breed, they will show as commercial does. For classes 439 and 440, doe kids, does will be broken into classes by weight.

Meat Goat, Market

0435 Breeding Doe

0436 Market Meat Goat

HORSES

The horse project equips youth with the essential knowledge to care for and engage safely with horses. In addition to riding and showing with basic horsemanship, this project will help youth learn basic coat colors, breeds, and horse anatomy; study horse health; participate in judging contests, quiz bowl, and hippology; and give presentations. If a member chooses to show at county, district, or state shows they may own or lease a horse, but must manage the horse 75% of the time, whether owned or leased. Youth are encouraged to participate in learning opportunities throughout the 4-H year even if they don't own or have access to a leased horse.

The Chautauqua County 4-H horse show will be **Monday, July 24, 2023, 6:00 pm at the Lou Todd Memorial Arena.**

All horse entries must be pre-entered:

1. The age of all horses is determined as of January 1 of the year in which it was born.
2. All stallions are barred, except when being shown in the weanling class.

3. All exhibitors must be Chautauqua County 4-H members and be enrolled in the horse project. Exception: Pre-4-H Lead Line class.
4. All horses must be owned by the exhibitor or immediate family or be leased. All exhibitors must furnish official Kansas 4-H Horse I.D. certificates on all horses shown.
5. Family members may show same horse in same class, but not same age division.
6. Contestants must be ready for their classes on time. In consideration for the judge, there will be only approximately two to three minutes between classes. If a tack or animal change is necessary between classes, the exhibitor is responsible for having sufficient help outside the ring to make the change quickly.
7. Patterns to be used for showmanship classes will be posted one-half hour before the beginning of the show.
8. All exhibitors are required to follow the official Kansas 4-H Horse Show dress code. A Long-sleeved shirt or blouse and long pants must be worn. Western hat and boots are required in all western classes.
9. 4-H'ers may enter a maximum of two horses in each halter (conformation) class. 4-H'ers are limited to one entry in all performance classes, including showmanship.
10. Health Requirements (in-state origin):
 - a. **All horses are required to have evidence of a negative equine infectious anemia (EIA/Coggins) test conducted within 12 months before exhibition. In-state horses are required to have a current coggins test but not a CVI.**
 - b. All horses must be VSV inspected by vet before unloading
 - c. Animals with lesions of ringworm or club lamb fungus, warts, sore mouth or infested with mange as determined by officials of the KDAH or exhibition staff will not be permitted to exhibit.
 - d. All required tests must be conducted by a state-approved laboratory.
 - e. All animals are subject to examination by officials of the KDAH or those designated by the exhibition staff, and shall be free of clinical signs of infectious or contagious disease.

Horses Classes

0314 Pony Halter (All ages – mares and geldings)

0315 Mares ages three and under

0316 Aged Mares

Grand and Reserve Champion Mare to be selected from top blue winners in classes 0315 and 0316.

0317 Geldings ages three and under

0318 Aged Geldings

Grand and Reserve Champion Gelding to be selected from top blue winners in classes 0317 and 0318.

0319 Senior Showmanship (Ages 14-18)

0320 Intermediate Showmanship (Ages 11-13)

0321 Junior Showmanship (Ages 7-10)

Grand Champion Overall Horse Showman to be selected from champion Senior, Intermediate, and Junior Showmen.

Reserve Champion Overall Horse Showman to be selected from champions and reserve champion showman from overall champion's age division.

- 0323** Senior Western Pleasure (Ages 14-18)
- 0324** Intermediate Western Pleasure (Ages 11-13)
- 0325** Junior Western Pleasure (Ages 7-10)
- 0326** Senior Reining (Ages 14-18)
- 0327** Intermediate Reining (Ages 11-13)
- 0328** Junior Reining (Ages 7-10)
- 0329** Senior Working Ranch Horse (Ages 14-18)
- 0330** Intermediate Working Ranch Horse (Ages 11-13)
- 0331** Junior Working Ranch Horse (Ages 7-10)
- 0332** Senior Horsemanship (Ages 14-18)
- 0333** Intermediate Horsemanship (Ages 11-13)
- 0334** Junior Horsemanship (Ages 7-10)
- 0335** Senior Trail (Ages 14-18)
- 0336** Intermediate Trail (Ages 11-13)
- 0337** Junior Trail (Ages 7-10)
- 0338** Senior Barrel Race (Ages 14-18)
- 0339** Intermediate Barrel Race (Ages 11-13)
- 0340** Junior Barrel Race (Ages 7-10)
- 0341** Senior Flag Race (Ages 14-18)
- 0342** Intermediate Flag Race (Ages 11-13)
- 0343** Junior Flag Race (Ages 7-10)
- 0344** Senior Pole Bending (Ages 14-18)
- 0345** Intermediate Pole Bending (Ages 11-13)
- 0346** Junior Pole Bending (Ages 7-10)

High Point Award will be given by the Sedan Round-Up Club. Winner will be determined by points based on one horse, one rider. Points will be awarded Grand Champion-4, Reserve Champion-3, Blue-2, Red-1, White-0.

POULTRY

4-H members in the Poultry project may exhibit birds raised and cared for by the member to showcase their project. The primary purpose of the poultry exhibit is to provide a positive learning experience for youth in the poultry project, evaluating against industry standards. 4-H members learn to care for, select and prepare their poultry project for exhibit. An exhibit does not measure or illustrate all that a 4-H member has achieved but is an example of the accomplishments for a particular project within the 4-H program year.

Exhibitor may enter (2) fowl per class.

Poultry Showmanship

0501 Senior Poultry Showmanship – Ages 13-18

0502 Junior Poultry Showmanship - Ages 7-12

Breed Classes

0503 Standard Breeds – Lg. Fowl, of either sex

0504 Standard Breeds - Bantams, of either sex

0505 Other Fowl

0506 Turkeys, all breeds - 1 bird of either sex

0507 Ducks, all breeds - 1 bird of either sex

0508 Geese, all breeds - 1 bird of either sex

RABBITS

The rabbit project will help you learn how to raise and care for rabbits. It is best to enroll in the fall to prepare for receiving your first rabbit. Youth will also learn how to identify breeds, handle and show rabbits, identify rabbit parts and equipment, recognize a healthy rabbit, read a pedigree and kindle a litter.

Rules:

1. All rabbits entered must be owned by exhibitor by May 1 of the current year.
2. All rabbits will be divided into age classes (6 months and under, over 6 months of age) and judged according to their breed standards as listed in the ARBA “Standards of Perfection”.
3. Only breeds recognized by ARBA may be exhibited.
4. Exhibitor may enter (2) animals per class.

Rabbit Showmanship

0484 Senior Rabbit Showmanship (Ages 14-18)

0485 Junior Rabbit Showmanship (Ages 7-13)

Rabbit Does

0486 Junior Doe (6 months & under)

0487 Senior Doe (over 6 months)

Rabbit Bucks

0488 Junior Buck (6 months & under)

0489 Senior Buck (over 6 months)

SHEEP

1. Market lambs dropped before Jan. 1 of current year will not be eligible to compete. Animals in question will be mouthed at discretion of the superintendents.
2. Market lambs must weigh at least 90 pounds.
3. Ewe lambs may be shown as market lambs. If a ewe lamb is shown as a market lamb, she may not be shown in a breeding class.
4. Market lambs will be shown by breed with weight classes formed for each breed if needed. A minimum of three lambs will comprise a weight class. Classes will be formed immediately following the conclusion of the weigh-in by sheep superintendents. The official show order and list of classes will be posted in the 4-H Livestock Barn.
5. All 4-H sheep (market and breeding) must be owned by the 4-H'er for 90 days prior to show date.
6. At the time of weigh-in and showing, all market lambs must be slick and shorn with an even length of wool covering above the hock and knee (head and belly excluded). Wool length should not exceed .25 inch. Lambs with excessive or uneven wool cover will not be weighed or checked in until shorn to meet the satisfaction of the Sheep superintendent. Lambs shorn after check-in must be shorn with the same type of comb over entire body.
7. All sheep must be identified with an official USDA premise tag (Scrapie tag).
8. In addition to general requirements all goats shall be:
 - Be free of any signs of a sore mouth.
 - Be free of any signs of ringworm, warts or infestation of mange.
9. There must be three of any breed to qualify to have that breed as its own class of market lamb. Breed must be declared at Spring Weigh In.

0468 Senior Sheep Showmanship

0469 Intermediate Sheep Showmanship

0470 Junior Sheep Showmanship

Grand Champion Overall Sheep Showman to be selected from the Champion Senior, Intermediate, & Junior showmen.

Reserve Champion Overall Showman to be selected from the champions plus the reserve champion from the overall champion's age division.

Market Lambs

0471 Commercial Market Sheep

0472 Registered Market Sheep

Breeding Sheep

0473 Commercial Breeding Sheep

0474 Registered Breeding Sheep

SWINE

1. Both barrows and gilts may be shown in the market hog classes, however, if a gilt is shown as a market hog, **she may not be shown in a breeding gilt class.**
2. There will be a weight limit on all market hogs shown. The minimum weight is 210 pounds.
3. Market hog classes will be divided by weight, not by breed. A minimum of three animals will comprise a class. Classes will be formed immediately following the conclusion of the weigh-ins by swine division superintendents. A list of classes will be posted in the 4-H livestock barn.
4. All 4-H swine (market and breeding) must be owned by the 4-H'er for 90 days prior to show date.
5. The pseudo rabies test for swine is no longer required.
6. No straw is to be used for bedding in the swine barn.

0460 Senior Swine Showmanship

0461 Intermediate Swine Showmanship

0462 Junior Swine Showmanship

Grand Champion Overall Swine Showman to be selected from the Champion Sr, Jr, and Pee Wee Showmen.

Reserve Champion Overall Swine Showman to be selected from the champions plus the reserve champion from the overall champion's age division.

Market Swine

0463 Commercial Market Swine

0464 Registered Market Swine

Breeding Swine

0465 Commercial Breeding Swine

0466 Registered Breeding Swine