

FRONTIER EXTENSION DISTRICT

1418 South Main, Suite 2, Ottawa, KS 66067

Phone 785-229-3520 / Fax 785-229-3527

www.frontierdistrict.ksu.edu

Carol Engle – Communications and Marketing Manger
Rebecca McFarland – District Director and Family and Community Wellness Agent
Lauren Gammill – Horticulture and Natural Resource Agent
Jessica Flory – 4-H Youth Development Agent
Jo Hetrick-Anstaett – 4-H Program Manager
Josie Medlen – 4-H Program Manager
Jeanette Stinebaugh – 4-H Program Manager

2025 Franklin County Fair Book – 4-H, FFA and Open Class – Table of Contents

Special Awards.....	14
Round Robin	15
Beef Cattle	16
Bucket Calf	18
Dairy Cattle	19
Dairy Goats	20
Meat Goats	21
Sheep	22
Swine	23
Cats	24
Dogs	25
Hand Pets	27
Horses	28
Poultry	31
Rabbits	33
Cloverbuds	35
Miscellaneous/Self-Determined.....	36
Mr. & Miss.	37
Agronomy.....	38
Ag Mechanics	40
Aerospace/Rocketry.....	45
Building Block Engineering.....	56
Computer Science.....	58
Electric and Renewable Energy	61
Entomology	63

Fiber Arts.....	68
Food Preservation	70
Foods and Nutrition	73
Forestry	75
Geology and Lapidary	78
Horticulture & Landscaping Design	81
Interior Design and Architecture	85
Photography.....	88
Robotics	91
Small Engines.....	95
Uncrewed Aircraft Systems	96
Sewing and Textile Design.....	99
Shooting Sports/Western Heritage.....	101
Shopping in Style.....	103
Veterinary Science.....	105
Visual Arts	107
Wildlife	109
Woodworking	112
FFA Static Department.....	123
Open Class Agriculture	115
Open Class Clothing & Textiles	117
President's Pie Contest.....	119
Open Class Fine Arts	120
Open Class Floriculture	122
Open Class Foods & Food Preservation.....	124
Open Class Photography	128

SATURDAY, JUNE 28

4:00 p.m.	Check-in for 4-H Horse Show and Races
5:00 p.m.	4-H Horse Show, South Arena
5:00 p.m.	4-H Horse Races, South Arena

MONDAY, JULY 7

9:00 a.m.	4-H Fashion Revue Judging, First Baptist Church
10:00 a.m.	Mr. & Miss 4-H Interviews Begin, First Baptist Church
10:00 – 11:30 a.m.	4-H Clothing Judging, First Baptist Church
10:00 – 11:30 a.m.	4-H Fiber Arts Judging, First Baptist Church
7:00 p.m.	4-H Clover Review & Mr. & Miss 4-H Announcement, First Baptist Church

MONDAY, JULY 14

9:00 a.m.–11:00 p.m.	4-H Foods, Enter and Judge at Designated Times, Celebration Hall
1:00 p.m.	Volunteers arrive to help with Photography and Visual Arts
1:30-4:00 p.m.	4-H Photography and Visual Arts, Enter & Judge at designated times, Celebration Hall
6:00-8:00 p.m.	Fun Fair Kickoff, sponsored by Rambling Ranchers 4-H Club

TUESDAY, JULY 15

8:00 a.m.	Fair Set Up, Fairgrounds/Celebration Hall
10:00 a.m.–Noon	Enter all other 4-H and Open Class Exhibits not listed, Celebration Hall
12:00–1:00 p.m.	Cloverbud, Enter and Conference Judging
1:00 p.m.	Judge Open Class Foods, Celebration Hall
1:30 p.m.	Judge 4-H & Open Class Horticulture & Landscape Design, 4-H Agronomy, followed by Open Class Agriculture, Celebration Hall,
5:00–8:00 p.m.	Enter and Weigh Livestock, Livestock Barns
5:00–8:00 p.m.	Enter Poultry, Rabbits and Bucket Calves, Poultry Barn
5:00-8:00 p.m.	Exhibitor & Parent Hot Dog Dinner, Compliments of Frontier Farm Credit
8:15 p.m.	Livestock Exhibitor Meeting – Hayward Arena
9:00 p.m.	Celebration Hall Closes

WEDNESDAY, JULY 16

8:00 a.m.	Judge 4-H Poultry, Poultry Barn
9:00 a.m.	Judge Open Class Clothing & Textiles and Fine Arts, Celebration Hall
10:00 a.m.	Judge Open Class Photography, Celebration Hall
10:30 a.m.	Judge 4-H Rabbit Following the Poultry Show, Poultry Barn
11:00 a.m.	4-H Concession Stand Opens
4:00 p.m.	Judge 4-H Dairy Cattle, Hayward Arena
4:30 p.m.	Judge 4-H Dairy Goats, Hayward Arena
5:00 p.m.	Judge 4-H Sheep and Meat Goats, Hayward Arena
9:00 p.m.	Celebration Hall Closes
10:00 p.m.	4-H Concession Stand Close

THURSDAY, JULY 17

8:15 a.m.	4-H Dog Show Check-in, Hayward Arena
8:30 a.m.	Judge 4-H Dog Show, Hayward Arena
9:00 a.m.	4-H Conference Judging at Designated Times, Celebration Hall (Sign up on Frontier District website for - All Divisions of Electric and Renewable Energy, STEM, and Woodworking)
9:45 a.m.	4-H Cat & Hand Pet Entry, Hayward Arena
10:00 a.m.	4-H Cat & Hand Pet Show, Hayward Arena
11:00 a.m.	4-H Concession Stand Opens
1:00 p.m.	4-H Conference Judging at Designated Times, Celebration Hall Entomology, Forestry, Geology, Interior Design, Shooting Sports, Self-Determined/ Miscellaneous, Wildlife (Sign up on Frontier District website)
5:00 p.m.	Food Garden and Commercial Vendor Booths Open
5:00-7:00	KLA BBQ
5:00 p.m.	Judge 4-H Swine, Hayward Arena
6:00 – 11:00 p.m.	Carnival Rides by Wee Entertainment Open
7:00 p.m.	Ranch Rodeo, Grandstand Arena
9:00 p.m.	Celebration Hall Closes
10:00 p.m.	4-H Concession Stand Closes

FRIDAY, JULY 18

9:00 a.m.	Pet Parade
11:00 a.m.	4-H Concession Stand Opens
1:00 p.m.	4-H Bucket Calf Interview, Hayward Arena
3:00 p.m.	4-H Bucket Calf Show, Hayward Arena
5:00 p.m.	Food Garden and Commercial Vendor Booths Open
5:00 p.m.	4-H Beef Show, Hayward Arena
6:00 – 11:00 p.m.	Carnival Rides by Wee Entertainment Open
8:00 p.m.	Market Animal Sale Entry Cards Due
7:00 – 10:00 p.m.	Bulls and Broncos, Grandstand Arena
9:00 p.m.	Celebration Hall Closes
10:00 p.m.	4-H Concession Stand Closes

SATURDAY, JULY 19

7:30 a.m.	4-H Concession Stand Opens; Breakfast Served
8:00 a.m.	4-H Round Robin, Hayward Arena
9:00 a.m.	Registration for Livestock Judging Contest at the announcer's table in Hayward Arena
9:00 a.m.	Dismissal of Poultry, Rabbit, and Bucket Calf
10:00 a.m.	Livestock Judging Contest, Hayward Arena – will follow Round Robin
11:00 - 11:30 a.m.	Entry Time for Fair Board President's Pie Contest
11:30 a.m.	Judge Fair Board President's Pie Contest
11:30 a.m.	Register for Pedal Pull
12:00 p.m.	Pedal Pull Begins, Hayward Arena
12:00 - 4:30 p.m.	Derby Car Entry and Inspection
12:00 - 2:30 p.m.	Release of Celebration Hall Exhibits
4:30 p.m.	Market Animal Sale - Watermelon Feed for Buyers and Sellers Sponsored by Farm Bureau directly, following the Market Animal Sale
5:00 p.m.	Food Garden & Commercial Vendors Open

6:00 – 11:00 p.m.	Carnival Rides by Wee Entertainment Open
7:00 p.m.	Dismissal of breeding/non-terminal livestock
7:00 p.m.	Demolition Derby, Grandstand Arena
10:00 p.m.	4-H Concession Stand Closes

SUNDAY, JULY 20

8:00 – 8:30 a.m.	Church Service
8:45 – 10:00 a.m.	Awards Ceremony
10:00 – 11:30 a.m.	Fair Ground Clean Up
11:30 a.m.	Pizza Lunch, Pick Up Fair Premium Checks
6:00 - 11:00 p.m.	Carnival Rides by Wee Entertainment Open

SATURDAY, AUGUST 2

6:00 p.m.	Buyer Appreciation Dinner at Celebration Hall
-----------	---

PARKING AT THE FAIR

All vehicles are to be parked in authorized parking areas. Authorized parking is east of the rails-to-trails and south of the poultry and rabbit barn. Special access permits for handicap and agent parking will be allowed. Vendors may obtain special permission for unloading of supplies but must immediately remove their vehicle after unloading. **YOUR COOPERATION IS APPRECIATED.**

LIABILITY: Exhibits at the fair are entered and displayed at the risk of the exhibitor. The Franklin County Fair, 4-H Youth Development / Frontier Extension District accepts exhibits and will exercise due care to protect them. Exhibitors who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the fair.

FRANKLIN COUNTY FAIR GRIEVANCE POLICY

1. All grievances must be made in writing, legibly, on one side of an 8 1/2" x 11" piece of paper, list the names of any witnesses, and be signed by the filer of the complaint. Such grievances must state plainly the cause of complaint or appeal, and must be submitted to one of the District Extension Staff or Fair Board Executive board member within 2 hours following the occasion for the grievance, accompanied by a \$150.00 cash deposit. The entire deposit will be forfeited if the grievance is overruled. The money will go back into the awards fund for next year's fair.
2. Upon receipt of a qualified grievance, Extension Agent(s) will promptly notify the person against whom the grievance was made, the Superintendent of the department for the class event, appropriate Fair Board Representatives, and other parties who may have relevant information. The notice will give a time and place for a hearing to address the grievance. You will be given a response within 24 hours.
3. The hearing committee, authorized by the Frontier Extension District Governing Board to act upon any protest, may consist of, but not limited to the following: Extension Agent(s), Fair Board Executive Board Member, Superintendent of Department in question, a 4-H Club Leader, a 4-H PDC Member, 4-H Council Executive member, and an Extension Executive Board Member.
4. When a protest is either allowed or denied, the course of action shall be entered in writing, and a copy delivered to the protestant and the person against whom the grievance was made. If applicable, premiums and awards may be held and distributed when the final decision on the grievance is made. The hearing committee reserves the right to institute further restrictions upon the person/persons upon whom the protest was made.

4-H GENERAL RULES

Entry Requirements

1. ALL 4-H EXHIBITORS MUST BE PROPERLY ENROLLED FRANKLIN COUNTY 4-H MEMBERS.
2. Out of county 4-H members can exhibit in open classes.
3. All articles and animals must be entered with the superintendents of the various departments in the name of the owner.
4. No animal or article will be entered in more than one department or compete for more than one premium.
5. Age is determined by 4-H age (January 1, 2025).

Entries

1. 4-H exhibits must show in 4-H classes listed in this fair book. NO 4-H classes will be added at the fair.
2. 4-H members can enter their 4-H exhibits in only one class. If they wish to enter in the Open Class, it is necessary that they enter an exhibit other than what they have entered in the 4-H Department.
3. All agricultural, horticultural and floral exhibits must be grown by the exhibitor.
4. If it is found that an exhibitor has made any false statements in regards to any animal or article or they interfere with the judge's performance of their duties, the exhibitor will be excluded from competing.
5. All 4-H exhibitors must follow the Kansas 4-H Code of Conduct.
6. Firearms and weapons are not allowed to be entered or exhibited.

Premiums and Awards

1. No animal or article deemed unworthy will be awarded a premium. In case there is no competition by another exhibitor, only one prize may be awarded and this will be determined by the judge on merit and over his signature. No exhibitor will be paid more than two money prizes in the individual classes.
2. Premiums will be paid out by placing: PURPLE or BLUE, RED, WHITE. Champions will receive Purple Ribbons and Reserve Champions a Lavender Ribbon.
3. There will be no premiums awarded to showmanship classes.
4. Premiums can be picked up on Sunday after clean-up.

Explanation of Ribbon System

1. All 4-H Departments are judged on the DANISH System.
2. All 4-H exhibits receive a ribbon and are judged in comparison with an ideal standard. They are not judged against each other.
3. 4-H Exhibits are placed in four ribbon groups. PURPLE or BLUE – Excellent. The exhibitor meets the standard developed. This does not indicate perfection; rather, it rewards average or above average work. Minor faults are corrected immediately when possible. RED – Good. The exhibitor didn't meet all of the standards developed but is making great progress. Major and minor faults occurred. WHITE – Fair. Participant did their best, but many improvements are needed to meet the pre-established standards. Several major, minor and severe faults occurred. This includes disqualification.

ACCESSIBILITY INFORMATION: K-State Research and Extension & 4-H Youth Development are committed to making their services, activities and programs accessible to all participants. If you have special requirements because of physical, mental, learning, vision, hearing or other impairment, please contact Rebecca McFarland at the Frontier Extension District Office at 785-229-3520.

COPYRIGHT LAWS: Exhibitors should avoid using copyrighted materials whenever possible by originating his/her own work. Exhibitors should use with caution a copyrighted and/or trademarked product or service (a brand name, label or product). The intent of using the copyright or trademark materials for educational purposes such as an exhibit, educational poster/display or public presentation is acceptable under the "Fair Use" (legal use) provision. "Fair Use" is a provision of the current copyright law that allows reproduction without payment or permission of limited portions of a copyrighted work for educational and other public interest purposes. Regardless of the "Fair Use" provision, the inference that a specific name brand product is good or bad, inherently or through comparison, must be done cautiously, using acceptable research/comparison methods and have a disclaimer that the conclusions are those of the participant and not those of K-State Research and Extension. A copyright and trademark are legal methods used by writers, artists, corporations and others to protect their original work. Protected items may range from books to music, logos to computer graphics. Copyrighted and/or trademarked materials used in banners, displays, demonstrations, posters or other activities for endorsement or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium. The use and inclusion of specific brand names for educational purposes does not imply endorsement or refusal by Franklin County Agriculture Society, Frontier Extension District, Department of 4-H Youth Development, Kansas State University Agriculture Experiment Station and Cooperative Extension Service or the State of Kansas.

Kansas State Fair Exhibitors

Participants must be 9 years old (as of January 1 current year) to exhibit at the Kansas State Fair in nearly all divisions (exception – Fashion Revue participants must be 14). All youth who qualify and want to participate in the State Fair must pre-enter by the deadline date. Contact the Extension Office for more information about qualifying, pre-entering and entering exhibits for the Kansas State Fair.

GENERAL LIVESTOCK RULES

1. Youth livestock show exhibitors will be limited to regularly enrolled 4-H members of Franklin County.
2. Livestock that has been previously shown at a county fair outside of Franklin County may not be exhibited. This includes both market and breeding divisions.
3. All livestock stall reservation forms, horse pre-entry forms, livestock and animal entry forms are due in the Extension Office by **Monday, June 16, 2025**.
4. Exhibitors are limited to four market and four breeding animals per species.
5. No premium will be awarded to animals not listed in this premium list.
6. No animal deemed unworthy will be awarded a premium. In the case of only one entry per class, only one award will be awarded and shall be at the judge's discretion.
7. No premium money is paid on showmanship classes. (Ribbons only)
8. All livestock will be checked according to the list of health rules and regulations.
9. No animals are allowed on the fairgrounds before **Tuesday, July 15** without permission of the fair superintendent.
10. The livestock check-in will be **Tuesday, July 15**.
11. **No early arrivals on livestock entry/show days.**
12. All livestock must be removed from the fairgrounds by **Sunday, July 20**.
13. Market animals must have an official 4-H tag and have been tagged at spring weigh-in or made arrangements.
14. BREED SIZE: Two (2) head of any breed shall constitute a division. However, the superintendent has the discretion to allow a division of less than 2 head of a breed. Any breed with less than the number to constitute a breed division as determined by the superintendent will be shown in the All Other Breeds (AOB) division. If there are less than two (2) head in the AOB division, the superintendent will decide whether to show the animals as an AOB division or enter them in the Crossbred division.
15. Grooming Rule Updated: Full Fit Show (Aligned with State Shows, State Fair and KJLS.) The grooming rules for 4-H or FFA members exhibitors aim to promote the youth programs as a learning experience for 4-H and FFA members. All 4-H and FFA members exhibitors are expected to care for and groom their animals throughout the show. Grooming at the Franklin County Fair shows may include the use of adhesives, paints and powders. It shall not involve using hair not from the animal being groomed or twine/artificial material. Immediate family members, parents, legal guardians, sibling, grandparents, and current Kansas 4-H or FFA members who are exhibitors at the Franklin County Fair may provide grooming and or care to livestock exhibits. Regardless of weather the exhibitor is present while such grooming and/or care is provided.
16. All 4-H members are expected to wear appropriate dress while exhibiting in the show ring and at the market sale. Appropriate dress is referred to as a shirt or blouse with collar, jeans or slacks and boots or laced up shoes. 4-H Club shirts are also acceptable. Those not meeting this requirement will be removed from the show or sale.
17. Beef and Dairy grooming chutes must be kept outside of the barn. Driveways must be kept open for fire precautions. If the superintendent asks you to move your equipment, it will be because of safety reasons. Please do so in a friendly and timely manner.
18. Exhibitor must show their own animal, however, if they have 2 or more animals in a class, they may ask a Franklin County 4-H & FFA members to show said animals for them.
19. Due to liability all animals must remain on the fairgrounds once entry has been entered. This means all animals must remain west of the rails-to-trails path. Violations of this rule must be witnessed by a superintendent, extension agent or fair board member and validated violation will cause all monetary awards to be withheld and parents will be contacted immediately. 4-H members should make note that those leaving the fairgrounds prior to animal release will result in disqualification and be sent home immediately.
20. Due to Homeland Security stipulations, no vehicles or livestock trailers can be parked between the rails-to-trails and the armory yard fence. Violators could be towed at their own expense.
21. No hoses are to be left strung out in the swine barn; all must be rolled up after each use. All electric cords need to be off the ground. The aisle needs to be kept cleared at all times.
22. No generators allowed within 150 feet of the show arena.

23. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening or Sunday morning.
24. There will be no swamp coolers allowed on the fair grounds.

UNLOADING AND PARKING AT THE FAIR

Animal Unloading: All trucks and trailers should enter at the east gate on the rails-to-trails side and proceed west between the barns. Trucks and trailers should be removed from the barn area immediately upon animal and supply unloading to allow access to the area for other exhibitors.

LIVESTOCK HEALTH REQUIREMENTS

GENERAL REQUIREMENTS:

1. All livestock will be examined by superintendent before being admitted to the stalls. If needed, a veterinarian will be called to inspect any animal that may not meet animal health guidelines for show. The veterinarian will have full authority to bar any animal from the fair that does not meet the animal health requirements. If, at any time during the fair, an animal poses a health threat, the fair veterinarian has the full authority to have the animal removed.
2. Animals with active lesions of ring worm, club lamb fungus, multiple warts, lice, mange, or other unhealthy conditions will not be permitted to exhibit.
3. No behavior altering drugs will be permitted. Animals under drug influence will not be allowed to show and will be required to leave the fair.
4. All livestock must have some sort of identification (tag, tattoo, band, etc).

CATTLE REQUIREMENTS:

1. No health papers are required for cattle. All cattle will be inspected by the superintendent at check-in.
2. Beef and dairy cattle are required to comply with all federal livestock health rules.

SWINE REQUIREMENTS:

1. All swine will be inspected by superintendent at check-in. No health papers or blood test are required.
2. Swine are required to comply with all general livestock health rules.

SHEEP REQUIREMENTS:

1. All sheep will be inspected by the superintendent at check-in. No health papers are required.
2. Sheep are required to comply with all general livestock health rules.
3. All sheep must have an official USDA scrapie tag.

GOAT REQUIREMENTS:

1. Goats shall meet the general health requirements.
2. All goats will be inspected by the superintendent at check-in. No health papers are required.
3. All goats must have an official USDA scrapie tag.

HORSE REQUIREMENTS:

1. Horses shall meet the general requirements.

2. All horses must have a negative Coggins Test within 12 months of the show.
3. All horse project members must have a completed Kansas 4-H Horse ID Form for each horse to be used during the 4-H year. The form must be on file at the Extension Office by **June 1**.

POULTRY REQUIREMENTS:

We are currently on a 5-year PT testing rotation and will test in 2029. Exceptions to this are: showing at State Fair or birds purchased out of state without a Proof of Origin from a PT Clean Flock form must be tested within 90 days of the show. For more information about the blood testing requirements, consult *“Information about Disease Testing Requirements for Poultry and Gamebirds in Kansas”* by Scott Beyer, available from the Extension Office.

Pullorum-Typhoid Testing – Requirements for each method of certification.

- a. **Test Prior to Show** – Owner must present an official VS Form 9-2 (Flock Selection and Testing Report) signed by an official blood testing agent showing that the entries have had a negative test from an official pullorum-typhoid test conducted within 90 days prior to the show. Sealed leg band numbers of the entries must be shown on the form and agree with the numbers on the entries.
- b. **From Clean Source** – Owner must present evidence, such as a sales slip or name of hatchery (this must be an original form from the hatchery), that the entries were purchased from a pullorum-typhoid clean source with a valid NPIP number. This method can only be used WITHIN 90 DAYS OF HATCH. This means that the only birds that will qualify under this method will be Cornish-Rock cross meat birds. Market Broilers shown at the Kansas State Fair qualify under this method. Because almost all exhibition birds shown in a poultry show will be over 90 days of age, they will need to show proof of testing.

ANIMAL ETHICS

The Franklin County Fair encourages and strongly supports the ethical treatment of all animals. Exhibitors found to be inhumanely abusing animals will be barred from showing and will forfeit any premium, ribbon or prizes won. Show Superintendents and County Extension Agents have the full authority to interpret these rules and their decision shall be final. Abuse shall include beating, slapping, use of injections, use of electric prods and lifting in show ring. These rules are for the best interest of the Franklin County Fair.

4-H MARKET SALE

Market Sale, Saturday, July 19th 4:30 p.m.

Buyers Appreciation Dinner, Saturday, August 2nd 6:00 p.m.

1. Each 4-H or FFA market animal exhibitor may sell only one (1) animal. Those animals must have been tagged with the official EID tag. Minimum weights to be eligible for the market sale are as follows:
Steers/Heifers – 1150 lbs., Lambs – 100 lbs., Meat Goats – 50 lbs., and Swine – 230 lbs.
2. Withdrawal times for drugs, growth promotants and other approved materials: Exhibitors, their parents, leaders and instructors have a serious responsibility to use animal health aids (drugs), growth promotants and any other approved materials with great care, and only when needed and in correct amounts. Approved withdrawal times are set and must be followed to assure that meat consumers receive wholesome foods.
3. On the sale form, exhibitors must choose if they want to sell their sale animals at the base bid or they would like to sell as premium only to take their animal home or to future shows. On the sale card, you will have the option to choose: A) Sell my animal for both a premium and a base bid, or B) Sell my animal for premium only, allowing me to take it to state shows.
4. Livestock Sale order for this year will be TBT.
5. Exhibitors wishing to enter the Livestock Sale must fill out a sale entry card by 8:00 p.m. on Thursday, those wishing to sell Beef, must turn in card by 8:00 p.m. on Friday. Once card is handed over to fair board there is no changing card. Sale cards are final. All sale entry fees will be deducted from the sale proceeds. These fees help support animal checkoff programs and fund the buyers dinner. Sale entry fees will be as follows:
Steers - \$7.00, Lambs - \$5.00, Meat Goats - \$5.00 and
Swine - \$5.00. All sale entry fees will be withheld from sale proceeds.
6. Animals will be weighed at check-in and sale price will be based on weight.
7. Auctioneers will settle any dispute of bid.
8. Animals in the livestock sale will be released to the buyer immediately following the sale except those who are premium only.
9. Animal destination must be declared by the buyer before the animal leaves the sale ring. No changes will be allowed after the animal leaves the ring. No animal will be allowed to come off the trailer. (This excludes premium only animals.)
10. All Livestock Sale entries remain under the care and ownership of the exhibitor until loaded on the floor price bidder's truck. The Fair Board assumes no responsibility for any livestock injury or loss.
11. No glitter, paint or other decorations allowed on sale animals.
12. Ear tags are to remain in all sale livestock. Payment will not be issued on livestock with official EID tag removed.
13. Sale Cards must be turned in directly following the show of which animal you are selling.
14. Cloverbuds can not sell in the Livestock Sale or Silent Auction.
15. The livestock sale will be held at 4:30 p.m. Saturday in Hayward Arena.
16. A Watermelon Feed, sponsored by Farm Bureau, will follow the sale.
17. All Buyers are encouraged to attend the livestock appreciation dinner on August 2nd, 2025.

SPECIAL AWARDS – 4-H MEMBERS

Turner Award – \$25.00, sponsored by the Eldon Turner Family, presented at 4-H Achievement Night. The Turner Award goes to a 4-H member who has worked hard, exhibited good sportsmanship and helped at the fair but hasn't received purple ribbons or top awards. Two awards will be given.

Spirit of the Fair Award – Plaque, sponsored by the Franklin County 4-H Development Fund, presented at 4-H Achievement Night. The Spirit of the Fair Award is for a 4-H member who has been helpful and shown good sportsmanship qualities in the areas of Family & Consumer Sciences.

Good Manners Award – Plaque, sponsored by Ottawa Optimists, presented at Achievement Night. The Good Manners Award is for a 4-H member who has been helpful and shown good sportsmanship at the fair in the area of Livestock and Poultry.

Mr./Miss 4-H – Plaque, sponsored by Cottonwood Animal Hospital, presented at the Fair. Applicants must submit a resume and participate in an interview. Winners are announced at the Clover Revue. Mr. and Miss 4-H will help at the fair and throughout the year.

DIVISION: 4-H & FFA ROUND ROBIN SHOWMANSHIP

Superintendent: Ryan Higbie

Entry Time: By Invitation Only

Judging Time: Saturday, July 19, 8:00 a.m., Hayward Arena

Special Awards: Coordinated by Franklin County Fair Board

Round Robin Showmanship is open by invitation only to the Champion and Reserve Champion Senior and Intermediate Showmanship winners in the following divisions: Beef, Sheep, Swine, Meat Goat and Horse. Contestant will show each of the different species and will be judged on his/her showmanship skills in each of the areas.

DIVISION: 4-H & FFA BEEF CATTLE
Superintendents: Scott & Ethan Hatfield

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry and Weigh-In Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Friday, July 18, 5:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any bred animal must be registered to be shown in the bred classes. Original registration or transfer papers for steers and heifers must have been established in the name of the exhibitor by **May 1** of the current year. Animals may be co-registered by two (2) or more youth in the same family but cannot be registered in a farm name or include the name of the adults. The individual tattoo number of the animal must match the tattoo on the registration papers. Any animal without a legible tattoo will show in the crossbred class. Registration papers must be turned into the Extension Office by **June 16th** and must be presented at fair check-in. These rules are in conjunction with the Kansas State Fair.
2. **A Market Heifer cannot show in any breeding class.** The Market heifer must be shown open and cannot be bred. All market heifer entries must be accompanied by an officially signed health paper or statement from a licensed veterinarian guaranteeing that the entry has been pregnancy checked open within 30 days of the show date. If no certificate is produced, the heifer will be considered a breeding heifer and will be moved to the breeding classes and will not be eligible for the sale.
3. **The Steer and Heifer Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**
4. Breeding females must be entered with the superintendent **at the fair on Tuesday night**. Pre-entry **does not** mean the animal is entered in the appropriate class. Pre-entry only holds a place for the animal in the barn.
5. **Designated cattle classes for breeding livestock will be as follows:** Angus, Balancer, Braunvieh, Charolais, Charolais Percentage, Gelbvieh, Hereford, Limousin, Lim-Flex, Maine Anjou, Maintainer, Red Angus, Shorthorn, Shorthorn Plus, Simmental Purebred, Simmental Percentage, and Crossbred.
6. **Designated cattle breeds for market animals will be as follows:** Angus, Charolais (any percentages registered with Charolais association), Gelbvieh (includes Balancer), Hereford, Limousin (includes Lim-flex), Maine Anjou (includes Maintainer), Red Angus, Shorthorn (includes Shorthorn Plus), Simmental (any percentages registered with Simmental association), and Crossbred.
7. Cattle with registration papers will show in their respective class and those without proper registration papers and corresponding tattoo will be shown in the Crossbred class. Breed classes with only one entry will be shown in the All Other Breed (AOB) class. (Other breed classes may be made at the superintendent, FFA advisor, and agent discretion if numbers warrant.)
8. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.

9. All beef exhibits must be stalled at night in the beef barn or in the designated tie out area only. Animals being placed within the tie out area pen provided must be in the pen by 10 p.m. each night so the pen can be secured. Exceptions to the 10 p.m. rule must be coordinated prior with the beef superintendent and in case of the beef show running long, the pen will be secured 1 hour after the conclusion of the beef show. No other tie out areas will be allowed and no cattle will be tied out at trailers. Animals in the tie out area should be removed and back in their stall in the barn by 10 a.m.
10. Straw must be used in designated tie out area. At the conclusion of the fair, it is the exhibitor's responsibility to move all bedding back two feet from the pipe fence.
11. Please note stall space is calculated at 2-3 feet per animal and tack area is designated by club.

Beef classes

- 100 Market Steer
- 101 Market Heifer
- 102 Heifer Junior Calf – Under 1 year – Born January-April
- 103 Heifer Senior Calf – Under 1 year – Born September-December
- 104 Heifer Summer Yearling – 1 year old – Born May-August
- 105 Heifer Junior Yearling – 1 year old – Born January-April
- 106 Heifer Senior Yearling – 1 year old – Born September-December
- 107 Cow – 2 years and older

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

- 109 Junior Showmanship - Ages 7-9
- 110 Intermediate Showmanship – Ages 10-13
- 111 Senior Showmanship – Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

BEEF SHOW ORDER:

- Breeding Heifers
 - By Alpha Breeds with Crossbred at the end; youngest to oldest
- Showmanship
 - Senior, Intermediate, Junior
- Market Beef
 - Steers by alpha order of breeds, youngest to oldest, then market heifers (will show together, regardless of breed, and will only be broken into classes if class size requires. In that instance, class break will be by weight). Crossbred steers will show last.

DIVISION: 4-H/FFA BUCKET CALF
Superintendent: Tracy Williams

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Friday, July 18: Interviews in Hayward Arena, 1:00 p.m. – Judging at Hayward Arena, 3:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Bucket calves must have been born January 1 – May 1 of this current year.
2. The 4-H member will have a conference with the judge. Bring a completed 4-H bucket calf sheet for the interview.
3. On show day, check with the superintendent for the show order and individual interview time.
4. At no time are bucket calves judged on conformation qualities.
5. Good production practices would include having the calf dehorned (for safety reasons), castrated, vaccinated, and on feed.
6. A 4-H member may not show in the dairy and/or beef class the same year he/she shows a bucket calf.
7. A 4-H member may not show a bucket calf if they showed in the dairy and/or beef class the previous year.
8. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.

114 Ages 7-9

115 Ages 10-12

No premium money paid on any bucket calf class.

BUCKET CALF SHOW ORDER:

Interviews – 4-H Members

4-H Members - Ages 7-9

4-H Members - Ages 10-12

DIVISION: 4-H/FFA DAIRY CATTLE

Superintendent: Emily & Adam Brooks

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Wednesday, July 16, 4:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. All dairy cattle, brought in the day of the show, are to be entered by **Wednesday, July 16**. They will be stalled on the north outside area of the tie out pen. They will be released immediately upon conclusion of the dairy cattle show to return to milk production.
2. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.
3. **The Dairy Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**
4. Each 4-H member is limited to showing four dairy animals (No more than 2 per class).

120 Junior Heifer Calf – Born December 1 – April 30

121 Heifer Calf – Born September 1 – November 30

122 Yearling Heifer – Born March 1 – February 28

123 Cow Class

124 Daughter/Dam Class

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

126 Junior Showmanship – Ages 7-9

127 Intermediate Showmanship – Ages 10-13

128 Senior Showmanship – Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

DAIRY CATTLE SHOW ORDER:

All Other Breeds – shown in alphabetical order by breed, youngest to oldest

Holstein – youngest to oldest

Jersey – youngest to oldest

Showmanship – oldest to youngest, by age of youth

DIVISION: 4-H/FFA DAIRY GOATS

Superintendent: Emily & Adam Brooks

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Wednesday, July 16, 4:30 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Each 4-H member is limited to showing four dairy goats (no more than two per class).
2. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.
3. All dairy goats, brought in the day of the show, are to be entered by **Wednesday, July 16**. They will be stalled on the north outside area of the tie out pen. They will be released immediately upon conclusion of the dairy goat show to return to milk production.
4. **The Dairy Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**

- 129 Doe under 4 months of age
- 130 Doe 4 months and under 8 months
- 131 Doe 8 months and under 12 months
- 132 Doe 12 months and under 24 months (not in milk, or not previously fresh)
- 133 Doe 12 months and under 24 months (in milk, or previously fresh)
- 134 Doe over two years of age

Ribbon Awards: Champion of All Breeds - Ribbon

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

- 136 Junior Showmanship – Ages 7-9
- 137 Intermediate Showmanship – Ages 10-13
- 138 Senior Showmanship – Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

Be sure to designate breed on entry tag.

DAIRY GOATS SHOW ORDER:

Showmanship - oldest to youngest, by age of youth

All Breeds - shown in alphabetical order by breed, youngest to oldest

DIVISION: 4-H & FFA MEAT GOATS

Superintendents: Angelle Higbie

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Wednesday, July 16, 5:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.
2. **The Breeding and Market Meat Goat Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**
3. All Breeding and Market Goats must have an EID & Scrapies Tag.

140 Market Meat Goat

141 Meat Goat Doe under 1 year of age

142 Meat Goat Doe 1 year and older

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

144 Junior Showmanship – Ages 7-9

145 Intermediate Showmanship – Ages 10-13

146 Senior Showmanship – Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

MEAT GOAT SHOW ORDER:

Showmanship - oldest to youngest, by age of youth

Meat Goat Does (under 1 year) - shown by weight, lightest to heaviest

Meat Goat Does (over 1 year) - shown by weight, lightest to heaviest

Market Meat Goat - shown by weight, lightest to heaviest

DIVISION: 4-H & FFA SHEEP

Superintendents: Chris & Sara Cunningham

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Wednesday, July 16, 5:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.
2. **The Sheep Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**

- 150 Market Lamb
- 151 Ewe Lamb (under 1 year)
- 152 Yearling Ewe
- 153 Ewe – 2 years and older

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

- 155 Junior Showmanship – Ages 7-9
- 156 Intermediate Showmanship – Ages 10-13
- 157 Senior Showmanship – Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

SHEEP SHOW ORDER:

Showmanship – oldest to youngest, by age of youth

Breeding – shown in alphabetical order by breed with Crossbred last

Market Lamb – shown in alphabetical order by breed with Crossbred last

DIVISION: 4-H & FFA SWINE
Superintendents: Tristan and Wade Davis

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Thursday, July 17, 5:00 p.m.

Release Time: Saturday, July 19, 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Purebred Market Hogs and Breeding Gilt must have original registration or transfer papers in the name of the exhibitor by May 1 of the current year. Animals may be co-registered by two (2) or more youth in the same family but cannot be registered in a farm name or include the name of the adults. The individual ear notch number of the animal must match the ear match on the registration papers. Any market hog or breeding gilt without registration papers will show in the Crossbred class. Papers must be presented at fair check-in. These rules are in conjunction with the Kansas State Fair.
2. Animals are required to be bedded on wood shavings for the 2025 fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barns. All wood shavings and manure must be removed from the barns on Saturday evening after 7:00 pm and before the families leave the fairgrounds. If animals are part of the early release on Saturday morning, bedding must remain in place until after 7:00 pm to keep the barns intact for the livestock sale and Saturday patrons. Stalls and pens must be checked by the superintendent prior to leaving the fairgrounds Saturday evening.
3. This is a market/ finished show. Market/ finished weight is 230. If an animal does not meet weight requirements it will be shown in a light weight class.
4. **The Swine Show will be a fit show.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member. **For details of the “Full Fit” show refer to “General Livestock Rules” rule #15 on page 10.**

160 Market Hog

161 Gilt, farrowed after Dec. 1st

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

163 Showmanship, Junior Class, Ages 7-9

164 Showmanship, Intermediate Class, Ages 10-13

165 Showmanship, Senior Class, Ages 14-18

No premium money paid on Showmanship Classes – Ribbons only

Be sure to designate breed on entry tag.

SWINE SHOW ORDER:

Showmanship – oldest to youngest, by age of the youth

Breeding – shown alphabetically by breed with Crossbred last

Market – shown alphabetically by breed with Crossbred last

DIVISION: 4-H/FFA CATS

Superintendents: Dawn Rumford and Linda Normile

Entry Time: Thursday, July 17, 9:45 a.m., Hayward Arena [Click Here](#)

Judging Time: Thursday, July 17, 10:00 a.m., Hayward Arena

Special Awards: Coordinated by Franklin County Fair Board

1. Cats must have current vaccination papers at the time of check-in.
2. A 4-H member must be enrolled in Pets to exhibit at the fair.
3. All animals must be confined. Bring your own carrier or cage.
4. Cats will be judged on overall condition, thriftiness, cleanliness and appearance, and disposition. Also, on the creativity of the 4-H member and the knowledge the 4-H member has about that animal.
5. A 4-H member may show no more than 2 cats.
6. Animals will be brought in only during the show time and will return home afterwards.
7. No visual aids (videos, notebooks, pics, etc.)

170 Cats – 6 months & older

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red & White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H/FFA DOGS

Superintendent: Angie Cameron

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Check-In Time: Thursday, July 17, 8:15 a.m., Hayward Arena

Show Time: Thursday, July 19, 8:30 a.m., Hayward Arena

Showmanship: The purpose of showmanship is to provide 4-H members the opportunity to show their dog and themselves to the best of their ability.

Obedience: **Kansas 4-H obedience is to give 4-H members the opportunity to demonstrate the teamwork necessary to work under various conditions.** In obedience, the intent is to evaluate the proficiency by which the dog and handler are able to perform various exercises as a team in much the way as might be done in demonstrating the behavioral activities in normal life.

Rally: The purpose of Kansas 4-H Rally Obedience is to provide 4-H members the opportunity to demonstrate the teamwork necessary to work under a variety of conditions. In Rally Obedience, the intent is to evaluate the proficiency by which the dog and handler can perform various exercises as a team in the same way as in undertaking different activities outside the show ring.

Special Awards: Coordinated by Franklin County Fair Board

1. 4-H Dog Show Immunization Record (only MG-34 Revised, October 2017 accepted) must be completed for each dog entered at the Dog Show. The fully completed form must be presented at check-in to be eligible to compete. Teams without the immunization record will not be allowed to show. Required vaccinations include Bordetella, Distemper, Hepatitis, Parvovirus, Parainfluenza, and Rabies. The rabies vaccination must be administered by a graduate, licensed veterinarian. All vaccinations must be current. Dogs must be at least six months of age at the time of show, in order to have received all of the required immunizations.
2. Any abuse of dogs on grounds, or in the ring, will result in disqualification.
3. No dog in season will be allowed to show.
4. A well-fitting collar of leather, chain, or fabric is to be used for Obedience and Rally Obedience; for Showmanship, a show lead that serves as both collar and lead or a fine link chain collar, a "snake" chain or a fabric slip collar with a narrow, lightweight fabric or leather lead. No spiked, pinch, special training collars, and hanging objects from collars are allowed.
5. Any dog fouling the ring will receive a white ribbon. Owners should collect all dog waste in plastic bags and put it in the trash.
6. Baiting dogs with food, toys, training devices, etc. will not be allowed. Multiple commands and signals are allowed.
7. No mobile phones and/or other electronic devices are allowed in the ring.
8. **DOGS ARE NOT ALLOWED TO RUN AT LARGE. DOGS MUST BE KEPT ON A LEASH OR IN A KENNEL WHEN NOT IN THE SHOW RING.**
9. A Champion and Reserve Champion will be chosen in each of the three categories: Showmanship, Obedience, and Rally Obedience.

Showmanship

Entries will be judged on fitting on the dog: clean and well brushed, tone and condition of coat, healthy appearance, teeth, toenails, and eyes. Handler will be judged on alertness, grace and ease, coordination with dog and reaction of dog to handler with straight and even gait and movement of dog.

176 Junior, 7-9 years old

177 Intermediate, 10 – 13 years old

178 Senior, 14-18 years old

No premium money paid on Showmanship Classes – Ribbons only

Obedience

179 Pre-Novice

180 Novice

181 Graduate Novice

Rally Obedience

182 Level I – on leash

183 Level II

184 Level III

Ribbon Award: Champion, Reserve Champion, Purple, Blue, Red & White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H/FFA HAND PETS

Superintendents: Dawn Rumford and Kaylyn Davis

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Thursday, July 17, 9:45 a.m., Hayward Arena

Judging Time: Thursday, July 17, 10:00 a.m., Hayward Arena

Special Awards: Coordinated by Franklin County Fair Board

1. **No poultry and/or live birds allowed.**
2. A 4-H member must be enrolled in Pets to exhibit at the fair.
3. Pets will be placed in various classes as designated. Questions about which class a pet belongs in will be made by the Extension Agent and the Superintendent.
4. All animals must be confined (i.e., fish in bowls, hamsters in cages, goats on a lead rope).
5. Pets will be judged on thriftiness, cleanliness and present ability, and disposition. The knowledge of the animal by the 4-H member will also be a factor during judging.
6. A 4-H member may show no more than two hand pets.
7. Animals being shown in other divisions are not eligible to show in the pet division.
8. Animals will be brought in only during the show time and will return home afterwards.
9. No visual aids (poster, video, pics, notebook, etc.)

Pet Parade, Friday, July 18, 2025 at 9:00 a.m. in the show area

195 All Pets

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red & White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H/FFA HORSES

Superintendent: Kathy Hinderliter

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Check-in for Races & Show: Saturday, June 28, 4:30 p.m. **Races & Horse Show:** Saturday, June 28, 5:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

An ID paper must be turned in to the Ottawa Extension Office on each horse by June 1.

1. All Horses must have health papers from the local veterinarian and evidence of a negative Coggins conducted within twelve months of the show.
2. The Franklin County Horse project members will abide by the rules set for county events. These rules come from the following sources:
 - *Handbook for Kansas 4-H Horse Show Rule Book (Revised January 2023)
 - *Guidelines set up by the Frontier Extension District
3. A Rules Committee will be appointed to settle disputes.
4. Ownership of the horse will be as stated in the Handbook for Kansas 4-H Horse Show Rule Book.
5. All judges will be hired by the Extension Office. All judges' decisions are final.
6. 4-H dress code will be enforced for classes 200-228. Must have boots, jeans, helmet, shirt with sleeves and a saddle.
7. Classes will be split by ages after pre-entries are turned in to the Extension Office. This will make class sizes more uniform and safer for children and horses. Ages are posted on actual entry form but they are subject to change.
8. Entry books will close when the first class begins. A pre-entry form will be available before the show and will be due back in the Extension Office by the date listed on the form. A 4-H member may not enter additional classes the day of the show but may drop classes, if necessary.
9. A 4-H member may exhibit ONLY one horse per class but may enter as many classes as they desire. Halter: a 4-H member may enter any one horse only once in classes 200-208.
10. No unauthorized people are allowed in the crowd's nest or bookkeeping areas. If violated, premiums will be forfeited. This applies to youth and adults.
11. There will be High Point Awards for Junior, Intermediate and Senior Divisions in Performance and Races.
 - a. 4-H member must identify one horse which points will be kept on for the High Point award in each of the categories – performance and races.
 - b. Changes will be made, in case of emergency, on the day of the show, no later than check-in time that day.
 - c. Halter division points will not be included in the total for the high point performance horse or the race horse as halter has its own awards.
12. High Point Rider points will be kept on the following system:

Top Purple – 6 points	Purple – 5 points	Top Blue – 4 points
Blue – 3 points	Red – 2 points	White – 1 point
13. A Miniature Horse is 34 inches and under in height.
14. A Pony is 56 inches and under in height or 14.2 hands.
15. The show will start at 5:00 p.m. 4-H members must pre-enter in classes by **Friday, June 21st.**

HALTER CLASSES

- 200** Weanling
- 201** Yearling (no stallions)
- 202** 2-3-Year-Old
- 203** Grade – 4 Years and Older
- 204** Registered – 4 Years and Older (Stock Type)
- 205** 4 Years and Older (Non-Stock Type)
- 206** Miniature Horse – 34” and under
- 207** Pony – All Ages – 56” and under

Selection of Champion and Reserve Champion Halter Horse

- 208A** Showmanship – Junior – Ages 7-9
- 208B** Showmanship – Intermediate – Ages 10-13
- 208C** Showmanship – Senior – Ages 14-18

RIDING CLASSES

- 209** Tandem Bareback Pleasure – all ages

- 210** Walk-Trot for Inexperienced Riders; (Cannot do any class with a lope. If entering race classes – **must** trot; not horseless horse.)
- 211** Novice 2-3-year-old Western Pleasure (Horses shown in this class cannot be shown in any other riding class)

- 212A** Western Pleasure Stock Type – Junior – Ages 7-9
- 212B** Western Pleasure Stock Type – Intermediate – Ages 10-13
- 212C** Western Pleasure Stock Type – Senior – Ages 14-18

- 213A** Western Pleasure Non-Stock Type – Junior – Ages 7-9
- 213B** Western Pleasure Non-Stock Type – Intermediate – Ages 10-13
- 213C** Western Pleasure Non-Stock Type – Senior – Ages 14-18

- 214** Pleasure Pairs
- 215** Pony Western Pleasure
- 216** Junior Horse Western Pleasure (horses 5 years and under)
- 217** Senior Horse Western Pleasure (horses 6 years and over)

- 218A** Horsemanship – Junior – Ages 7-9
- 218B** Horsemanship – Intermediate – Ages 10-13
- 218C** Horsemanship – Senior – Ages 14-18

- 219A** Ranch Horse Rail – Junior – Ages 7-9
- 219B** Ranch Horse Rail – Intermediate – Ages 10-13
- 219C** Ranch Horse Rail – Senior – Ages 14-18

- 220A** Ranch Horse Pattern – Junior – Ages 7-9
- 220B** Ranch Horse Pattern – Intermediate – Ages 10-13
- 220C** Ranch Horse Pattern – Senior – Ages 14-18

- 221A** Trail – Junior – Ages 7-9
- 221B** Trail – Intermediate – Ages 10-13
- 221C** Trail – Senior – Ages 14-18

- 222A** Reining – Junior – Ages 7-9
- 222B** Reining – Intermediate – Ages 10-13
- 222C** Reining – Senior – Ages 14-18

- 223** English Pleasure – All age levels
- 224** English Equitation – All age levels

Races will begin immediately after the show. Helmets are required for games/races (See Rule #6).

RACE CLASSES

Barrels

- 225B** – Junior – ages 7-9
- 225C** – Intermediate – ages 10-13
- 225D** – Senior – ages 14-18

Flags

- 226B** – Junior – ages 7-9
- 226C** – Intermediate – ages 10-13
- 226D** – Senior – ages 14-18

Poles

- 227B** – Junior – ages 7-9
- 227C** – Intermediate – ages 10-13
- 227D** – Senior – ages 14-18

Goat Tying

- 228B** – Junior – ages 7-9
- 228C** – Intermediate – ages 10-13
- 228D** – Senior – ages 14-18

Premium Awards: Purple or Blue \$5.00 Red \$4.00 White \$3.00

*Premium Money is paid on the following Classes: 200 - 207 and 209 – 228

DIVISION: 4-H/FFA POULTRY

Superintendents: RD and Hollie Kuiken

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging Time: Thursday, July 16, 8:00 a.m.

Release Time: Saturday, July 19, 9:00 a.m.

Special Awards: Coordinated by Franklin County Fair Board

1. All chickens and turkeys must be blood tested within 90 days of show, on a 5-year Rotation. The next year for testing for the Frontier District will be 2029. Exceptions include those showing at the Kansas State Fair or birds purchased out of state without a Proof of Origin from a PT Clean Flock. Those birds must be tested within 90 days of the show. For more information about the blood testing requirements, consult "Information about Disease Testing Requirements for Poultry and Game Birds in Kansas" by Scott Beyer, available from your local Extension Office.
2. All Poultry entered must have been owned and in the possession of the 4-H member before May 1 of the current year.
3. It is required that poultry be banded to insure proper identification.
4. Exhibitors are encouraged to carefully consider the welfare of poultry during transportation to and from shows. For helpful information, consult "Safely Transporting Poultry and Market Broilers" by Scott Beyer, available from your local Extension Office.
5. There will be a limit of 12 birds per exhibitor. There may be no more than 3 entries per class and a limit of 36 birds per family.
6. No one will be able to talk to the judge or be in the aisle while judging is in progress. These actions will cause exhibitor's birds to be disqualified.
7. The terms cock, cockerel, hen and pullet are defined as follows:
Cock: male bird hatched PRIOR to July, PREVIOUS year
Cockerel: male bird hatched AFTER July, PREVIOUS year
Hen: female bird hatched PRIOR to July, PREVIOUS year
Pullet: female bird hatched AFTER July, PREVIOUS year
9. All entry tags shall be COMPLETELY and LEGIBLY filled out for premium money to be paid.
10. All poultry entered must have been owned and in the possession of the 4-H member before May 1 of the current year (Exception: Broiler Class).
11. *There are no meat pens at the Kansas State Fair.

- 250** Cocks, Standard Breed, large fowl
 - 251** Cockerel, Standard Breed, large fowl
 - 252** Hen, Standard Breed, large fowl
 - 253** Pullet, Standard Breed, large fowl
 - 254** Cocks, Standard Breed, bantams
 - 255** Cockerels, Standard Breed, bantams
 - 256** Hen, Standard Breed, bantams
 - 257** Pullet, Standard Breed, bantams
 - 258** Production Pullets, pen of three, standard breed, crossbred, or strain cross. To be judged on development of egg production qualities only.
 - 259** Production Hens, pen of three, standard breed, crossbred, or strain cross. To be judged on egg production qualities only.
 - 260*** Broiler, pen of three, standard breed, crossbred, or strain cross birds, of the same sex; weighing not over 5 pounds each and under 10 weeks of age
 - 261*** Roasters, pen of three, standard breed, crossbred, or strain cross birds, of the same sex; weighing over 5 ½ pounds each and under 14 weeks of age
 - 262** Turkey, all breeds, one bird of either sex, any age
 - 263** Geese, all breeds, one bird of either sex, any age
 - 264** Ducks, all breeds, one bird of either sex, any age
- Premium Awards:** Purple or Blue \$3.00 Red \$2.00 White \$1.00

These classes will be judged primarily on the basis of exhibition qualities as described in “The American Standard of Perfection of the American Poultry Association.”

Showmanship Ages:

- 266** Junior Class, Ages 7-9
- 267** Intermediate Class, Ages 12-14
- 268** Senior Class, Ages 15-18

DIVISION: 4-H/FFA RABBITS
Superintendents: Jillian and Mat Oberly

Pre-Entry Deadline: Monday, June 16 [Click Here](#)

Cooping Time: Tuesday, July 15, 5:00 p.m. – 8:00 p.m.

Judging and Showmanship Time: Wednesday, July 16, 10:30 p.m.

Release Time: Saturday, July 19, 9:00 a.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Exhibitor must be present during judging.
2. All rabbits entered must have been owned and in the possession of the 4-H member before May 1 of the current year.
3. All entries must be single rabbits or meat pens. Limit of two rabbits or meat pens entered per class, regardless of breed.
4. Each rabbit is to be legibly and permanently tattooed in its left ear for identification.
5. Rabbits entered as a meat pen class may not be entered in any other class.
6. All rabbits showing symptoms of disease will be removed from the barn.
7. There will be classes for both purebred and mixed breeds. Breeds must be marked on the entry or they will be shown as mixed breeds.
8. All entry tags shall be completely and legibly filled out for premium to be paid.

270 Pre-Junior Doe – Only breeds listed below

271 Junior Doe – Under six months

272 Intermediate Doe – Only breeds listed below

273 Senior Doe – Eight months of age and over for breeds having Intermediate classes; six months and over for all other breeds

274 Pre-Junior Buck – Only breeds listed below

275 Junior Buck – Under six months

276 Intermediate Buck – Only breeds listed below

277 Senior Buck – Eight months of age and over for breeds having Intermediate classes, six months and over for all others

278 Meat Pen – three rabbits, all one recognized breed and variety (broken varieties must be same color). Minimum weight 3 ½ pounds each. Maximum weight 5 ½ pounds each, and not over 70 days of age. Will be judged on their meat qualities, condition, uniformity and fur.

- * Note to advisors, agents and leaders: Class 278: Qualifying shows are held prior to the State Fair and meat pens that qualified will usually be too large and heavy by this show. Members may select a new, younger substitute meat pen of like quality to exhibit at the State Fair.

Definition of Classes:

Pre-Junior: (under three months) classes only in the following breeds: Argente Braun, Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Crème D'Argent, New Zealand, and Palomino

Junior: (under six months)

Intermediate: (six-eight months) classes only in the following breeds: American, Giant Angora, Argente Braun, Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Crème D'Argent, Flemish Giant, English Lop, French Lop, New Zealand, Palomino, Satin, and Silver Fox

Senior: six months of age or over for breeds other than those listed as having INTERMEDIATE classes, eight months of age or over for breeds having INTERMEDIATE classes

These classes will be judged on the standards approved by the AMERICAN RABBIT BREEDERS ASSOCIATION.

Ribbon Awards: Grand Champion and Reserve Grand Champion – Rosette

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

Showmanship:

280 Junior Class – Ages 7-9

281 Intermediate Class – Ages 12-14

282 Senior Class – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

DIVISION: CLOVERBUDS – NON-TRADITIONAL 4-H

Entry and Judging Time: Tuesday, July 15, 12:00 p.m.- 1:00 p.m.

At Designated Times (contact the Ottawa Extension Office to sign-up)

Release: Saturday, July 19, 9:00 a.m. – 10:00 a.m.

For five-and six-year-old youth who are enrolled as a Cloverbud in the 4-H Online Enrollment System. Cloverbud members can enter two items they have made this year. There will be a special table for all Cloverbud exhibits. All Cloverbud entries will receive a participation ribbon.

DIVISION: 4-H MISCELLANEOUS / SELF-DETERMINED

Superintendent: Cheryl Conner

Conference Judging Pre-Registration Form Due: Monday, June 19

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at designated times

Release Time: Saturday, July 19, 5:00 p.m.-7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. All 4-H exhibits, not otherwise classified, will be allowed to show under this division. This does NOT include live animals.
2. Each 4-H member will be limited to two entries in Miscellaneous Division.
3. 4-H members may exhibit items or visuals pertaining to the project in which they are enrolled.
4. Exhibitors should avoid using copyrighted and/or trademarked materials whenever possible by originating his/her own work. Copyrighted and/or trademarked materials used in displays, posters or other activities for endorsement or promotion, instead of educational purposes, will be lowered a ribbon placing.
5. There is no State Fair entry available for these classes.
6. A Champion and Reserve Champion will be selected for Miscellaneous/Self-Determined.

540 Notebooks

541 Posters

542 Other types of exhibits (members must register table top exhibits with the Extension Office by Monday of fair week so space can be reserved. Exhibits should be no larger than 18" x 18").

SELF-DETERMINED

1. Self-Determined is a sub-division of Miscellaneous. If a 4-H member is enrolled in the Self-Determined project, they can enter in this division.
2. A 4-H member may enter two exhibits under the Miscellaneous Division and one under the Self-Determined Division.

543 Self-Determined

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: MR. and MISS 4-H

Superintendent: Jessica Flory & Josie Medlen

Application and Essays Due: Monday, June 16 [Click Here](#)

Interview & Judging Time: Monday, July 7, 10:00 a.m., First Baptist Church

Announcement of this year's Mr. and Miss 4-H: Monday, July 7, 7:00 p.m., First Baptist Church

Special Awards: Coordinated by Cottonwood Animal Clinic

MR. AND MISS 4-H APPLICATION

The following information will need to be included in the Mr. or Miss 4-H application.

- * Name, Address, 4-H age (age as of January 1 of the current year) and the number of years in 4-H.
- * Please answer the questions or give the information in the order presented.
- * Attach a one-page, typed, double-spaced paper titled "Why I Want to Be Mr. or Miss 4-H".

CLUB LEVEL PARTICIPATION

- * Offices Held – (list.....
- * Committees – (list....
- * Special Event or Activities – (list.....
- * List Project(s) Considered to Be Your Strongest
- * Other Club Level Participation

COUNTY LEVEL PARTICIPATION

- * Please list any of the following, along with the number of years of participation. If there is other county level participation, please list it also, with the number of years.

4-H Council Member	Junior Leader Activities
Fair Superintendent	Club Day Superintendent
Any Other	
- * List participation in County Events and Activities (Council office or committees, 4-H promotion, CWF or Exchange Delegate)
- * List County Awards and Honors Received

CLUB/COUNTY LEVEL

- * Junior Leader Responsibilities and/or Major Junior Leader Work
- * Non 4-H Community Involvement
- * Experiences Before the Public (i.e. Demonstrations, Public Speaking, etc.)

STATE OR NATIONAL PARTICIPATION

- * Event or Activity – (list
- * Honors/Awards Received – (list....

Contact the Extension Office to schedule an interview time. All applicants are required to participate in the interview process and are also required to attend the crowning that evening.

DIVISION: 4-H AGRONOMY

Superintendents: Jennifer Whiteford Houlk

Entry Deadline: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Wednesday, July 16, 1:30 p.m.

Release Time: Saturday, July 19, 1:00 p.m.-5:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Exhibitors are allowed one entry per class.
2. Any exhibitor removing exhibits prior to release time shall forfeit all premium money.
3. Secure entry form to plate, bowl or container with string or tape. **Use a sturdy plate, bowl or container that will support the weight of the produce. Plates, bowls and/or containers will NOT be provided.**
4. **Crops placed in a one-gallon jar must have a secure lid on the jar.**
5. A Champion and Reserve Champion will be selected in Crops.
6. If variety in NOT stated where requested OR samples not tied where requested, ribbon placing will drop.
7. Information about exhibiting produce is available online in the publication "Exhibiting Fruits and Vegetables" available at <http://www.bookstore.ksre.ksu.edu/pubs/c405.pdf>.

CROPS

CORN –

300 White- Ten Ear Exhibit. Variety or hybrid must be named.

301 Yellow- Ten Ear Exhibit. Variety or hybrid must be named.

302 Corn: Exhibit to consist of one-gallon sample. Variety must be named.

303 Popcorn: Ten Ear Exhibit. Variety or hybrid must be named.

SORGHUM –

303 Hybrid grain sorghum- Ten Head Exhibit. Hybrid must be named.

304 Hybrid forage sorghum. Exhibit to consist of the entire plant; no roots. Hybrid must be named. 5" bundle, tied.

305 Other forage sorghums. Exhibit to consist of the entire plant; no roots. Variety must be named. 5" bundle, tied.

WHEAT – One Gallon Sample

306 Soft red winter wheat. Variety or hybrid must be named.

307 Hard red winter wheat. Variety or hybrid must be named.

308 Hard white wheat. Variety or hybrid must be named.

SUNFLOWERS

309 Confectionery heads. 3 heads must be submitted.

310 Confectionery seeds in jar. 1-gallon jar must be submitted.

311 Oil seed heads. 3 heads must be submitted.

312 Oil seeds in jar. 1-gallon jar must be submitted.

OTHER CROPS

313 Oats: Exhibit to consist of one-gallon sample. Variety must be named.

314 Barley: Exhibit to consist of one-gallon sample. Variety must be named.

- 315** Brome Grass Seed: Exhibit to consist of one-gallon sample of seed.
- 316** Other Tame Grass Seed: Exhibit to consist of one-gallon sample of seed.
- 317** Edible field beans: Exhibit to consist of one-gallon sample of seed from most recent harvest.
- 318** Edible field beans: Bundle of five plants (with roots intact) from most recent harvest. (Example – Lentils)
- 319** Miscellaneous Crops: Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named. (Ex – Popcorn).
- 320** Cotton: Provide 10 open bolls, not 10 plants. Place bolls in a bag that can breathe (not a sealed plastic bag), so mold doesn't develop.

Hay Crops

- 321** Alfalfa Hay: Exhibit to consist of one flake or slice from a rectangular bale, or a 10-inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions. Variety must be named.
- 322** Native Grass Hay: Ten-inch flake or slice, 6 inches thick and tied in two directions.
- 323** Brome Grass: Exhibit to consist of one-gallon sample of seed.
- 324** Other Tame Grasses: Exhibit to consist of one-gallon sample of seed.
- 325** Cool Season Grass Hay (e.g., fescue, brome, etc.): Ten-inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.

Soybeans

- 326** Soybeans: Exhibit to consist of one-gallon sample of seed from most recent harvest. Variety must be named.
- 327** Soybeans: Bundle of five plants from most recent harvest. Variety must be named.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H AG MECHANICS – WELDING

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 1:00 p.m. – 5:00 p.m.

AG MECHANICS

The Ag Mechanics project is starting with an emphasis on welding and smithing; it will expand as the project area grows. 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 to start with foundational areas, some of which youth may already have, and allow them to continue to build on this knowledge becoming more experienced.

Rules

1. 4-H members must be currently enrolled in the Kansas 4-H 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. For exhibits with downward swinging parts, such as tailgates, that could pose a fall/striking/crushing hazard should have a tamper resistant locking mechanism such as a “zip-tie” or a “cotter-key” through a release pin that would prevent the swinging part from being accidentally released and falling on someone.
7. Each exhibit must be free-standing or sufficiently supported by an exhibitor supplied support system that is moveable and is part of the total dimensions 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.
8. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display.
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.
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 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.
22. 4-H members can include a video showcasing the project as well as a walkthrough of any project mechanics.
 - a. Videos with an accompanying release form (include link) signed by the exhibitor's parent or guardian may be displayed at the State Fair in the Engineering & Technology exhibit area.
 - b. The video must not be more than 8 minutes long and should be included on the USB drive.

Quota – Each exhibitor may enter one exhibit per class.

Scoresheets, Forms, and Contest Study Materials: • www.STEM4KS.com

Awards/Recognition – Purple, blue, red, white, participant ribbons as well as disqualified, and best in show. Best in show is applied across all STEM exhibit areas and may not be awarded.

Classes

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.

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

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

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

- 323** Level 1 Welding General Repair. Repair of non-ag equipment with welding.
- 324** Level 1 Welding General Fabrication. Creation of non-ag equipment with welding.
- 325** Level 1 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 326** Level 1 Brazing Repair.
- 327** Level 1 Brazing Fabrication.
- 328** Smithing Display Board. A 3' x 3' display board with different pieces of forged metal attached illustrating different forms, each form being labeled.
- 329** 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.
- 330** Level 2 Welding Ag Repair. Repair of ag equipment with welding.
- 331** Level 2 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 332** Level 2 Welding General Repair. Repair of non-ag equipment with welding.
- 333** Level 2 Welding General Fabrication. Creation of non-ag equipment with welding.
- 334** Level 2 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 335** Level 2 Brazing Repair.
- 336** Level 2 Brazing Fabrication.
- 337** 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.

- 340** Level 3 Welding Ag Repair. Repair of ag equipment with welding.
- 341** Level 3 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 342** Level 3 Welding General Repair. Repair of non-ag equipment with welding.
- 343** Level 3 Welding General Fabrication. Creation of non-ag equipment with welding.
- 344** Level 3 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 345** Level 3 Brazing Repair.
- 346** Level 3 Brazing Fabrication.
- 347** 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 with substantial experience in the project area allowing them to master advanced techniques in the given area.

- 350** Level 4 Welding Ag Repair. Repair of ag equipment with welding.
- 351** Level 4 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 352** Level 4 Welding General Repair. Repair of non-ag equipment with welding.
- 353** Level 4 Welding General Fabrication. Creation of non-ag equipment with welding.
- 354** Level 4 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 355** Level 4 Brazing Repair.
- 356** Level 4 Brazing Fabrication.
- 357** Level 4 Smithing. A design forged with at least four.

Educational Exhibits Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.

2. Exhibits are to have a clear link to the Engineering and Technology areas of astronomy, computers, rocketry, robotics, or uncrewed aerial systems; educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 <http://welding.engtech4ks.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.
5. 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.
6. 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.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. 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 Uncrewed Aerial Systems
13. 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.
14. 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.

Educational Displays –

Ag Mechanics/Welding – Intermediate Division (Ages 7 – 9)

358 Intermediate Ag Mechanics/Welding Educational Display

359 Intermediate Ag Mechanics/Welding Educational Notebook

360 Intermediate Ag Mechanics/Welding Educational Poster

Ag Mechanics/Welding – Senior Division (Ages 10-13)

361 Senior Ag Mechanics/Welding Educational Display

362 Senior Ag Mechanics/Welding Educational Notebook

363 Senior Ag Mechanics/Welding Educational Poster

Ag Mechanics/Welding – Intermediate Division (Ages 14-18)

364 Intermediate Ag Mechanics/Welding Educational Display

365 Intermediate Ag Mechanics/Welding Educational Notebook

366 Intermediate Ag Mechanics/Welding Educational Poster

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H AEROSPACE/ROCKETRY
Superintendent: **Lisa Meyer and Emily Taylor**

Conference Judging Pre-Registration Form Due: Monday, June 16

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 1:00 p.m. – 5:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

4-H STEM-Astronomy Rules, Guidelines and Divisions can be found on the Frontier District, Franklin County Events and Information website <http://www.frontierdistrict.k-state.edu/4-h/franklin-eventsandinformation/index.html>

For more information, go to: www.STEM4KS.com

AEROSPACE

1. The 4-H member must be currently enrolled in the 4-H STEM-Astronomy project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class..
3. Telescopes entered in this division may be built from a kit or by original design. Pre-finished telescopes which require no construction or painting are not acceptable exhibits.
4. Telescopes are limited to no more than six feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
5. See the last section of STEM for full details about exhibiting posters, display boards and notebooks.
6. Two photographs showing telescope construction and operation are required. Photographs should be mounted on one side of an 8 ½" x 11" page. A brief caption should accompany each photograph. Place photos in the 10" x 13" manila envelope.
7. The telescope must be properly assembled and painted with a smooth and uniform finish.
8. Decals, if used, should be attached smooth and tight.
9. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
10. Exhibitor's name, county or district, age and year(s) in project must be tagged or labeled in a prominent location.
11. 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.
12. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit
13. A Champion and Reserve Champion will be chosen for Astronomy.

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.

Exhibit Information for ALL Rocketry Categories:

1. 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 will result in the loss of one ribbon placing for exhibits.

2. Relevant documents may be obtained from County Extension Offices or from www.STEM4KS.com.
3. NAR refers to the National Association of Rocketry and its governing board.
4. Tripoli refers to the Tripoli Rocketry Association and governing board.
5. All NAR documents, with the exception of the “pink book” referenced herein can be found at <http://www.nar.org>.
6. If a fire burn ban is in effect for any county in Kansas, exhibitors in any Kansas County are not required to launch their rocket(s). All requirements for the launching of rockets for the state fair and the documenting of the launching are suspended for the duration of the ban.
7. See the last section for full details about exhibiting posters, display boards and notebooks.
8. Exhibitors may create an **optional** video (not required) about their project and the work they have done. 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 conference judging, it is recommended the video elements be waived if talking with the exhibitor.

Exhibit Definitions for ALL Rocketry Categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is “any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle.” The intent of scale modeling is, according to the NAR, “to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish and flight performance.” (NAR “Pink Book” 50.1 4-1)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H Space Tech a mid-powered rocket is defined as a rocket that uses an ‘E’, ‘F’, ‘G’, or equivalent engine for launch. In addition, rockets also qualify for mid-power if they meet any of the following criteria:
 - a. Is 2 inches or greater in diameter (not including fins) and taller than 3 feet (36 inches including fins) and do not use an engine(s) exceeding 160.01 Newton seconds of total impulse (an ‘H’ engine equivalent or above).
 - b. The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds and less than 160.01 Newton-seconds.
4. For the purposes of Kansas 4-H Space Tech a high-powered rocket is defined as a rocket that meets any of the following criteria:
 - a. Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch.
 - b. Uses an ‘H’ engine or larger to launch.
 - c. The total impulse of all engines used in the rocket is greater than 160.01 Newton-seconds of thrust.
 - d. Includes any airframes parts of ductile, metal, though, the use of ductile metal is strongly discouraged.
 - e. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.:
 - i. Average thrust in excess of 80.01 Newtons
 - ii. Contains in excess of 125 grams of propellant and are limited to only H and I motors
 - iii. Uses a hybrid motor or a motor designed to emit sparks.
5. High power certification is defined as having successfully completed a certification program for high- powered rocketry through the NAR or Tripoli and maintaining that certification. This applies to all membership levels in the NAR and Tripoli. Specifically, the “Formal Participation Procedure” for the “Junior HPR Level 1 Participation Program” as outlined by the NAR and the “Tripoli Mentoring Program” (TMP) as outlined by Tripoli.
6. NAR rules for launching and construction of all rockets are assumed to be used by all 4-H Space Tech exhibitors and will be considered during judging.

7. For the purposes of Kansas 4-H Space Tech, NO rocket may be launched using engines totaling more than an 'I' impulse engine or 640 Newton-seconds of total thrust.

Exhibit Rules for ALL Rocketry Categories:

Purpose: These rules apply to how rockets are to be displayed at the fair and what those displays should and should not contain. These rules apply to all rockets displayed in the Space Tech division.

1. 4-H members must be currently enrolled in the 4-H Space Tech Rocketry program to exhibit in this division.
2. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a "model rocket kit" and the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
3. The report that accompanies the rocket must be limited to the 4-H Space Tech Rocket Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the exhibit. The information form should be signed by the exhibitor. This may be downloaded from www.STEM4KS.com. Any rocket exhibit not including this completed envelope will receive an automatic participation ribbon.
4. Plans (or a photocopy) must be placed inside the envelope.
 - a. This includes original design rockets.
 - b. If a rocket kit has been modified structurally (which must provide all necessary details to construct an original design rocket), notations need to be given indicating the changes made, either by notations on the Rocket Exhibit Information Form or by placing notes in the plans. Such modifications require the rocket to be swing tested and documented to show a stable flight.
5. One or more photographs of the rocket during the construction and at the launch site are required.
 - a. Photographs showing the rocket at the moment of ignition are preferred.
 - b. Photographs must be mounted on one side of 8 ½" x 11" page(s).
 - c. There must be at least 1 page of photos and no more than 5 pages of photos.
 - d. Include at least one photo showing rocket construction, preferably with the exhibit included.
 - e. Do not include photos of members catching their rockets as they return to earth. This is an unsafe practice, and we do not recommend or condone this practice.
 - f. Pictures at the launch site are not required in the event of a burn ban.
6. To exhibit in this division:
 - a. The rocket must have been flown, unless a burn ban is in effect.
 - b. Support rods must not extend past the tip of the highest nosecone on the model.
 - c. Support rods must remain in the upright position, 90 degrees to the display base, do not angle. If support rods are not perpendicular to the base, the judge should deduct two ribbon placings.
 - d. No model may be submitted on a launch pad.
7. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.
8. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.
9. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeter, computer software, range finders, etc. If additional space is needed to show calculations of how the altitude was achieved, one additional page may be added to the rocketry information pack.
10. Flight damage is to be documented by the participant on either the construction plans, an additional sheet of paper titled "flight damage" or the 4-H Space Tech Rocket Exhibit Information Form.
11. The judging of flight damage is to be secondary to all other aspects of the model and only then may it even be considered. However, under no circumstance may flight damage be grounds for disqualification.
12. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
13. If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and cannot be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not

possible to make a full and immediate assessment of the safety of the rocket when it is being judged and safety is paramount.

14. Engines may not be used as display stands hollowed out or otherwise. This is a significant change from previous year's rules. Engines used as a display stand will cause the exhibit to be subject to immediate disqualification.

15. Rocket engines should not be used to join multi-stage rockets together.

a. Multi-stage rockets can be displayed without having the stages connected together. In that case, the final stage (the one with the nose cone) should be placed on the display stand, and other stages with a loop of string to the display stand.

b. The different stages must be included to complete the rocketry exhibit; incomplete exhibits will be deducted at least one ribbon placing.

c. Use of any engines to join the stages together will be subject to immediate disqualification.

16. Multi-stage rockets can be flown using just the final stage and be considered fully flown.

17. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. All information necessary will be given to the NAR and/or TRIPOLI for investigation and possible revocation of membership.

18. A Champion and Reserve Champion will be chosen for Rocketry.

Construction Rules for ALL Rockets

Purpose: These rules apply to the construction of all rockets displayed in the Space Tech division.

1. Rockets are to be properly assembled according to the assembly instructions.

2. Beginner kits with prefabricated fin assemblies and pre-finished rockets requiring no painting are not acceptable, and will be disqualified.

3. Plastic snap together fins and prefabricated fin assemblies that **do not** require fin alignment are not acceptable, and will be disqualified.

a. This rule does not apply to plastic fins that must be manually aligned and do not utilize a fin alignment mechanism, including, but not limited to fin alignment rings or spacing blocks.

b. This rule does not apply to fiberglass, Kevlar, extruded foam, composite, or wood fins; especially when used for "through-the-wall" fin attachment techniques that are common in larger rockets.

c. In addition, plastic parts for decorative and mechanical purposes (i.e. decorative nozzles and moving landing struts) are not considered fins and can consist of plastic. Decorative nozzles, etc. need to be securely fastened and not pose a safety hazard.

d. Fin assemblies that are printed using a 3D printer are excluded from this rule. Thorough detailed instructions on the creation of the fin assemblies must be provided and an additional page of photos may be included to show the creation/printing of fin assemblies.

4. Angles of fins must fall within a plus or minus 2-degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from www.KansasSpaceTech.com.

5. Fins should be rounded or streamlined according to directions. If the other edges are rounded to reduce drag on all exposed sides, there should be no ribbon deduction, unless instructions indicate to leave flat.

6. Fins and body tubes are to be sealed with sanding sealer and/or primer to eliminate the appearance of body grooves and wood grain, or instructions say to round and rounding was not done.

7. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.

8. Engine mounts are to be securely attached to the body tube.

9. Any seams on plastic parts are to be sanded smooth.

10. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials.

11. The nose cone is to fit snugly but still allow for easy removal.

12. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly.
13. Nonstandard surfacing (such as textured paint) may be used if directed by the instructions, this includes scratch-built rockets.
14. Models may not be judged based on their paint scheme (colors and placement on the rocket), with the exception of rockets that fit the definition of a "scale model." All other rockets do not have to follow the suggested paint scheme, allowing the 4-H member to display maximum creativity in the finishing of their rocket.
 - a. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the non-scale model from one ribbon placing to another.
15. "Scale models" may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
16. Scale Model Rockets are to be finished and completed with a majority (greater than 70%) of decals.
17. If a modification is made to the rocket, for example, adding a fin, a swing test must be conducted on the rocket and the documentation provided. Failure to test and document flight stability following modifications will result in two ribbon placing deductions.

Model Rocketry Specific Guidelines (ages 7 and up):

Purpose: Model rockets are generally small-to-medium sized rockets that can be purchased at hobby stores that an individual(s) builds from parts similar to those found in model rocket kits.

1. Rockets classified as high or mid powered may not be entered in this category.
2. Each rocket must be able to stand freely by itself or be supported by a solid base, not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base. Rod materials should be sturdy and not made of flimsy materials, such as coat hangers.
3. If the model rocket is greater than 4 feet tall it can be displayed without a base, or displayed parallel to the ground with up to 3 notched blocks not to exceed 4' in height width and depth. The exhibitor's name, county or district, and age must be labeled on the base(s).
4. All exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However, in the event that there is a modification in this code, the Space Tech Action Team may review and implement the modified code.

Original Design Specific Rocket Guidelines (ages 11 and up):

Purpose: To allow for youth to develop their own rockets (model, mid and high powered) in a safe manner that displays maximum craftsmanship.

1. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
2. Original design rockets must be designed by the exhibitor(s).
3. Original design rockets must include detailed instructions, so that someone could construct the original designed rocket just like a kit purchased at a store. Instructions can be as many pages as needed to convey full and complete construction techniques.
4. Original design rocket instructions should not include copies of instructions in part or in whole from existing kits.
5. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying. Swing testing of the rocket is required. Other tests and calculations are encouraged. Exhibitors must include documentation of the swing test. Failure to swing test a rocket will result in a deduction of TWO ribbon placings.
6. A minimum of one additional page must be added to the rocketry information pack detailing the test(s) performed to insure stability. 4-H members are strongly encouraged to provide as much detail as possible. Failure to provide adequate written documentation will result in a disqualification.

Classes

Division A - Kits (Ages 7 – 9 years)

- 635 Rocket made from kit. Include plans.
- 636 Scale Model Rocket. Made from kit, includes plans.

Division B – Scratch Built (Ages 10 – 13 years)

- 637 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 638 Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

Division C (Ages 14 years and older)

- 639 Rocket made from kit. Include plans.
- 640 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 641 Rocket designed by exhibitor: that uses alternative skins; not merely a modification of an existing kit. Include original plans. **Not a KSF class**
- 642 Scale Model Rocket made from kit. Include plans.
- 643 Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

Division D – Team Built (Ages 11 years and older)

This class is designed to encourage teamwork among individuals and clubs to work on a rocket from the initial design to the finished product.

- 644 Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

Mid-power Rocketry (2x'D' to 'G' Engines) Guidelines:

Purpose: To allow for improved safety and judging of rockets that meet the requirements of 4-H mid-power rockets.

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high/mid power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.engtech4ks.com/>
4. Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.
5. The NAR Model Rocket Safety code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current year. However, in the event that there is a modification in this code the Engineering and Technology Project Partnership Team review and implement the modified code.
6. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
7. High power rockets as defined above ('H' or 'I' engines) may not be launched in this division.
8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High-Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information, launch location, and date.

9. Mid- Power rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division E (Ages 14 years and older)

645 Mid-power rocket made from kit or original design.

High Power Rocketry ('H' or 'I' engines) Guidelines To allow for improved safety and judging of rockets that meet the requirements of 4-H high power rockets.

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high-power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.engtech4ks.com/>.
4. Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.
5. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However, in the event that there is a modification in this code the Engineering and Technology Project Partnership Team may review and implement the modified code.
6. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
7. For rockets launched using an engine(s) that have 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification and should include supporting documentation of such (a copy of Level 1 card is sufficient).
8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High-Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information, launch location, and date.
9. High Power Rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division F (Ages 14 years and older)

646 High power rocket made from kit or original design.

Recommended County Fair Rules for Rocketry

This is a reduced set of rules for use at county fairs. The use of these rules is optional and left to the discretion of the county fairs. These are more simplistic rules that cover the most common scenarios that are likely to appear at county fairs. Youth who are eligible for the Kansas State Fair should read the Kansas State Fair rules for this division as the State Fair rules expect more from youth and set a higher bar as it is a state-wide event exhibiting the best from across the State of Kansas.

1. 4-H members must be currently enrolled in the 4-H Rocketry program to exhibit in this division.
2. If a rocket qualified for the Kansas State Fair, exhibitors should read the State Fair rules Rules for the Rocketry division as they may be different from those at the county fair. Be sure to check class numbers, they may be different.

3. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a "model rocket kit", the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
4. 4-Her4-H members are to complete and sign the rocketry information form, available from <http://rocketry.engtech4ks.com/> or your local extension office and attach it to a 10" x 13" "manila" envelope. The envelope should contain:
 - a. Instructions on how to construct the rocket
 - b. Up to 5 pages of pictures, pictures are to be attached to sheets of paper, from both construction and launch
 - c. Documentation of any flight damage that occurred
 - d. Any modifications made to the rocket except for paint scheme and decals.
 - e. An additional page for altitude calculations if the space on the form is not enough.
 - f. Additionally, for original design rockets, also known as "scratch built" rockets:
 - i. 5 additional pages of photos are allowed
 - ii. Documentation of how the rocket was tested for stability
5. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon.
6. Rockets are to be displayed upright on a display stand with a sturdy rod that does not extend past the top of the rocket, or stand unassisted, unless the rocket is taller than 4 feet in which case no display stand is required and the rocket may be displayed on its side, rockets are not to be displayed on launch pads to save space and prevent someone from being poked in the eye.
7. Rockets ARE NOT to be displayed with used or unused rocket engines either in the rocket or as part of the stand, if rocket engines are included in the exhibit the judge may disqualify the exhibit.
8. Rockets should be flown unless there is an active burn ban in the county or conditions are too dangerous to safely launch the rocket. Just flying the last stage (the part with the nose cone) of a multi-stage rocket is acceptable.
9. Rockets entered in the JR division may not go on to the Kansas State Fair.
10. Angles of fins must fall within a plus or minus 2-degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from <http://rocketry.engtech4ks.com/>
11. Fins and body tubes, except those in the introductory division, are to be filled and sealed with putty, sanding sealer, and/or primer or other suitable filler to eliminate the appearance of body grooves and wood grain.
12. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
13. Engine mounts are to be securely attached to the body tube.
14. Any seams on plastic parts are to be sanded smooth.
15. The recovery system (typically a parachute or streamer) should be attached according to the instructions
16. The nose cone is to fit snugly but still allow for easy removal.
17. Exhibits must be uniformly painted and smoothly finished without "runs," "orange peel," or "alligator skin" or finished as per rocket instructions (for example, no painting required), and decals, if used, are applied smoothly.
18. Models may not be judged based on their paint scheme (colors and placement on the rocket), except for rockets that fit the definition of a 'scale model*' and are entered in the scale model class. All other rockets do not have to follow the suggested paint scheme, allowing the 4-H'er to display maximum creativity in the finishing of their rocket. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the non-scale model from one ribbon placing to another.
19. "Scale Models*" entered in the scale model class may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme. "Scale Models*" displayed in the scale model class are to be finished and completed with a majority (greater than 70%) of decals. For all other rockets the use

of decals is optional.

(The following rules (20 – 31) apply to advanced exhibits.)

20. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
21. Original design rockets must be designed by the exhibitor(s).
22. Exhibitor(s) must be 11 years of age (4-H age) or older to enter an original design rocket.
23. Original design rockets must include detailed instructions, so that someone could construct the original designed rocket just like a kit purchased at a store. Instructions can be as many pages as needed to convey full and complete construction techniques.
24. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying. Swing testing of the rocket is required. Other tests and calculations are strongly encouraged. Exhibitors must include documentation of the swing test. Failure to swing test a rocket will result in a deduction of TWO ribbon placings.
25. Rockets that use more than one 'D' engine or equivalent are consider mid or high-power rockets in 4-H.
26. Mid and High-Power exhibitors must be at least 14 years of age by January 1 of the current year.
27. In addition to the information packet completed for all rockets, a high-power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.engtech4ks.com/>
28. Exhibitors in the mid and high-power divisions must hold memberships in either NAR or Tripoli organizations.
29. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all mid and high-power rocketry exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year.
30. All rockets in the mid and high-power divisions are to be launched under adult supervision by the 4-H member who constructed the rocket.
31. For rockets launched using an engine(s) that have 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification if launching on this large of an engine.

As defined by the National Association of Rocketry (NAR), a scale model is "any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle, that has flown under rocket power." The intent of scale modeling is, according to the NAR, "is to produce an accurate, flying replica of a real rocket powered vehicle that is judged for craftsmanship in construction, finish, and flight performance." (NAR "Model Rocket Sporting Code" 52.1 <https://www.nar.org/contest-flying/competition-guide/>)

Division A - Kit (Ages 7 – 11 years)

- 647** Rocket made from kit. Include plans.
- 648** Scale Model Rocket made from kit. Include plans.

Division B - Scratch Built (Ages 11 – 13 years)

- 649** Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 650** Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

Division C (Ages 14 years and older)

- 651** Rocket made from kit. Include plans.

- 652** Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 653** Scale Model Rocket made from kit. Include plans.
- 654** Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

Division D (Ages 11 years and older)

This class is designed to encourage teamwork among individuals and clubs to work on a rocket from the initial design to the finished product.

- 655** Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

Division E (Ages 14 years and older)

- 656** Mid or high-power rocket made from kit or original design.

Educational Exhibits Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology area.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 <http://rocketry.engtech4ks.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.
5. 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.
6. Educational displays are not to exceed 4' high x 3' wide x 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. Posters are limited to commercial 3' x 4' tri-fold display boards.
8. "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.
9. Educational Project notebooks must be organized in a 3-ring binder.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. 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.
12. Exhibitor's name, Extension Unit, age, and year(s) in project must be tagged or labeled in a 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.
13. 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
14. 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.
15. 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.

Educational Displays – Aerospace/Rocketry

Aerospace/Rocketry – Junior Division (Ages 7 – 9)

657 Rocketry Educational Display

658 Rocketry Notebook

659 Rocketry Poster Board

Aerospace/Rocketry – Intermediate Division (Ages 10-13)

660 Rocketry Educational Display

601 Rocketry Notebook

602 Rocketry Poster Board

Aerospace/Rocketry – Senior Division (Ages 14-18)

603 Rocketry Educational Display

604 Rocketry Notebook

605 Rocketry Poster Board

DIVISION: 4-H BUILDING BLOCK ENGINEERING

Superintendent: Emily Taylor and Lisa Meyer

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 5:00 p.m. – 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Description: The project is starting with an emphasis on using architectural blocks (“Legos”) to construct dioramas. Please direct project feedback to Extension Office. This project allows youth to explore architectural design in a three-dimensional space. The intent is for this program to start with foundational ideas of architecture, some of which youth may already have, and allow youth to continue to build on this knowledge becoming more and more experienced.

1. 4-H members must be currently enrolled in the Kansas 4-H –Building Block Construction project to exhibit in this division.
2. Counties are limited to FOUR exhibits to the state fair to insure sufficient space for all exhibitors
3. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
4. The minimum exhibit dimensions must be at least 6 inches wide and deep.
5. 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 55 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. The entire exhibit should fit in the display enclosure so the enclosure does not smash into the exhibit during movement.
6. All components used in construction should be dust & hair free, clean, free of chips, scuffs, broken blocks or cracks.
7. Gaps or cracks should not be visible between assembled blocks unless they fit with the story, for example an earthquake.
8. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®
9. 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.
10. The use of existing “store bought” sets for major architectural 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 architectural component of the set it came from. “Store bought” sets should be considered an arts and crafts entry. The intent of this is to ensure fairness among exhibitors and encourage maximum creativity instead of just following a set of plans.
11. Dioramas should be suitably complex and have multiple elements, for example a campsite that has a log cabin, a tree fort, and a car.
12. 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.
13. Vehicles that are intended to stay in a single place should be affixed to baseplates with sticky tack, hot glue, or other method.

14. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, merry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If used, judges should be able to use them and instructions should be provided for operation either in a story or on a separate page.

15. Artistic designs, for example recreating paintings like the “Mona Lisa” or “Starry Nights” and sculptures like “David,” are not permitted as exhibits and one ribbon placing should be deducted, with no architectural design/components are not permitted and two ribbon placings will be deducted, these exhibits should be displayed in arts and crafts Visual Arts.

16. The exhibitor’s name(s) and county or district must be tagged or labeled in a prominent location on the display

17. Each exhibit must include an Architectural Block Construction information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.

18. 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 revision forms previously released from 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.

19. 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 this help in determining where a part might go in case something comes loose.
- b. If appropriate, operating instructions for mechanical portions of the diorama.

20. 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 area at the Kansas State Fair. Superintendent(s) will be present on the first Friday of the fair at 5:00 pm to convey judging criteria and to answer questions for exhibitors. Consultation/Interview judging is not available during judging.

Introductory - Level 1 classes (about 1 - 3 years of experience)

370 Diorama illustrating at least 2 architectural features beyond floors, ceilings, and walls

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

371 Diorama illustrating at least 4 architectural features beyond floors, ceilings, and walls, and includes 1 or more motion elements

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

372 Diorama illustrating at least 6 architectural features beyond floors, ceilings, and walls, and includes 2 or more motion elements.

Master – Level 4 classes (10 or more years of experience)

373 Diorama illustrating at least 8 architectural features beyond floors, ceilings, and walls, and includes 3 or more motion elements.

DIVISION: 4-H Computer Science
Superintendent: Emily Taylor, Lisa Meyer

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 5:00 p.m. – 7:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Description: The Kansas 4-H Computer Science 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).

1. The actual construction of computer hardware (For example, building a computer, which would include computer components plugged into a motherboard, discrete circuitry soldered on a printed circuit board, or wire-wrapped circuitry) will be entered in the Electronics Division., except for exhibits entered in Class 5594.
2. If a safety violation is noted by the judge, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will be disqualified. A safety violation could include Malware, a virus, or any similar program that potentially is harmful.

Exhibit Requirements

1. All exhibits in the Computer Science division must be entered on a USB drive containing all supporting documents as listed below for each class.
 - a. The USB drive should be included in a manila folder with the Computer Exhibit Form (found at <http://computers.engtech4ks.com/> or your local extension office) attached to the front.
 - b. The USB drive should be labeled with the 4-H member's name and county.
2. Source code must be included on the USB drive for all computer programming projects coded by the 4-H member. This could include a .txt file, python file, Scratch URL, etc. Failure to include the source code will result in one ribbon deduction.
3. Each exhibit must include written operating instructions including how to locate, run, and use the project. Operating instructions should be printed and placed in the manila envelope and included digitally on the USB drive.
4. Each exhibit must be accompanied by a typed requirements document included on the USB drive. See [link] for a template that can be used for documenting requirements.
 - a. The requirements document should be started at the beginning of the project. It will include a list of goals and requirements that the 4-H member wants to include or achieve in their final project.
 - b. The project requirements section is formatted as a checklist, with the 4-Her checking off what they accomplished and making adjustments throughout their work on the project as needed.
 - c. Flow charts, designs, or other diagrams may be included for computer programs to show the logical flow of the program as needed.
5. For coded computer programs, screenshots of the program will be displayed digitally at the state fair. Screenshots must be included electronically on the USB drive. For county fairs, it is recommended to print screenshots for display at fairs that don't have electronic displays available.

6. All electric components of micro controlled devices must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.

Eligibility – Each exhibitor may enter one exhibit per class.

Scoresheets, Forms, and Contest Study Materials:

- <http://computers.engtech4ks.com/>
- Computer Science Scoresheet

Awards/Recognition –Best in show is applied across all Engineering and Technology exhibit areas and may not be awarded.

Classes

Computer System Division

374 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').

NEW Coded website built entirely by the 4-H Member (not using a pre-made template generator such as Wix or Squarespace). Items in this class could be coded in HTML, CSS, Javascript, Wordpress, or other web-based programming languages or platforms.

Educational Exhibits Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology area of computers.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 <http://computers.engtech4ks.com/>.
5. 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.
6. Educational displays are not to exceed a standard commercial No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. Posters are limited to commercial 3' X 4' tri-fold display boards.
8. "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.
9. Educational Project notebooks must be organized in a 3-ring binder.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. 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.
12. 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

13. 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.

14. 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.

Computer Science – Junior Division (Ages 7 – 9)

375 Junior Computer Science Educational Poster

376 Junior Computer Science Display Board

377 Junior Computer Science Notebook

Computer Science – Intermediate Division (Ages 10-13)

378 Intermediate Computer Science Educational Poster

379 Intermediate Computer Science Display Board

380 Intermediate Computer Science Notebook

Computer Science – Senior Division (Ages 14-18)

381 Senior Computer Science Educational Poster

382 Senior Computer Science Display Board

383 Senior Computer Science Notebook

DIVISION: 4-H Electric and Renewable Energy

Superintendent: Emily Taylor & Lisa Meyer

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at Designated Times (schedule is listed on the Frontier District's Website and posted in Celebration Hall)

Release Time: Saturday, July 19, 1:00 p.m.-5:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. An exhibitor may enter up to two articles in this division, but only one article per class.
2. Articles that have been in use should be cleaned for exhibit.
3. A sheet of operating instructions must be furnished for any exhibit that is not self-explanatory.
4. Projects must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
5. Any project with a complexity of size or electronics must have (a) instructions for assembly and use and (b) equipment available at the time of judging for actual testing of the exhibit.
6. No hand dipped solder may be used on exhibits.
7. Each exhibit must have a scorecard completed and attached securely. This scorecard is available from the Extension Office.
8. A Champion and Reserve Champion will be chosen for Energy Management.

ELECTRICAL AND ELECTRONICS

- 380** AC Electric Projects - AC Electric Projects with 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances, extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240V exhibits are allowed, and must be constructed such that the judges have wiring access to examine the quality and safety of workmanship.
- 381** DC Electric Projects - DC Electric Projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered projects. Examples include the following: wiring two- or three-way switches, difference between series/parallel lighting circuits or wiring doorbell switches. All DC electric projects must include batteries supplied by the 4-H member. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.
- 382** Electronic Projects - Electronic Projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include: radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/assembly manual if from a kit. Include plans if an original project. Projects must be constructed such that the judges have access to examine the quality of workmanship. **(NEW)** Newly built or repaired computers. This class is for newly built or repaired computers (laptop or PC) and allows 4-H members to demonstrate skills integrating the various parts of a computer into a single unit. Displays should show either a fully functional computer or show what the individual components do. The display should be free of dust and cabled neatly. Fully functional computers should boot up and do not need to include a monitor, keyboard, or mouse at the State Fair.

- 383** Educational Displays and Exhibits – The purpose of the educational display and exhibit is to educate the viewer about a specific area of the 4-H electronics project. The display or exhibit should illustrate one basic idea. This class includes educational displays and exhibits or science fair type projects which DO NOT have a power source, i.e. posters or displays of wire types, conduit types, electrical safety, tool or motor parts identification or electrical terminology. Educational displays and exhibits must be legible from a distance of four feet, using a maximum tri-fold size of 3'x4'.

ALTERNATIVE ENERGY - A form of energy derived from a natural source, such as the sun, geothermal, wind, tides or waves. All exhibits in this division are limited in size to standard, tri-fold, display boards (36" x 48") and items may not extend beyond 12" from the back board. All displays must be self-standing.

- 387** Educational Display – Create an exhibit that addresses a focused topic related to power generated from a renewable energy source. The purpose of the exhibit is to inform and create awareness.
- 388** Experiment – Display an experiment addressing a problem or question related to power generated from a renewable energy source. Include hypothesis, background research, variable, a control, data, findings, conclusions and recommendations for future study.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H ENTOMOLOGY

Superintendent: Emily Taylor

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at Designated Times

Release Time: Saturday, July 19, 12:00 p.m.-2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

A 4-H member may exhibit in the Entomology Collection, Entomology Notebook and/or Educational Display categories. Within each category there are classes in Beginning, Intermediate or Advanced phases in which they enroll. The Notebook category also has an Introductory class that 4-H members may exhibit in the State Fair as long as they meet age requirements and County Fair ribbon placing requirements. An Introductory Entomology Collection Class exhibit is encouraged for county fairs (first year members only), but these may not be exhibited at the State Fair. See class descriptions within categories for requirements. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.

Resources for exhibiting can be found on the [State Kansas 4-H Entomology project page: https://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html](https://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html)

COLLECTION CLASSES

1. All entries should be submitted in an 18 x 24 x 3.5-inch wooden display box with a clear plastic top. Boxes can be handmade or purchased as long as they are of the correct size and do not have a glass top. Please visit the [website listed above](#) for box instructions and plans.
2. 4-H members may choose to use one or two taxonomies:
 - a. As printed in "Insects in Kansas" book or
 - b. As printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net.
3. Each exhibitor is required to identify each box with **two** identification labels bearing exhibitor's name, county or district, the class, and statement of taxonomy used. One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Arrange specimens in the box so it can be displayed lengthwise.
4. The number of orders, specimens (and families where required) must be included on both of the exhibitor's box identification labels.
5. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits.
6. Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Specimens are to be arranged by Order in the box, then family where required.
7. Two labels should be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label should include date/locality. Full county name, state abbreviation should be on the second label. Collector's name (or host) on the date/locality label is optional.
8. The specimens should be collected by the exhibitor and should focus on Kansas insects. Insects may be collected from one county into bordering states and labeled accordingly. Please refer to "[Entomology Collection Exhibit Resource](#)" for full details on out-of-state insects in collections.
9. Only specimens of the class Insecta should be included.
10. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.

11. Specimens of soft bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.
12. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paperwork, feet on display boxes, no special project in notebooks, etc.
13. After the first year in Entomology, all 4-H members need to add an 8 ½ by 11-inch sheet of paper to their collection that states what they did to improve their collection for the current year. This should include how many new insects were added to the display box (please list), how many insects were replaced in the display box (please list), and number of new orders and/or families were added to the display box. Other optional things that could be included are number of insects caught for the year, number of new Orders added this year, number of talks and/or demonstrations given, activities participated in, leadership roles, etc. This paper should be taped to the upper left corner on the front of your display box.
14. The following insects are listed as Threatened or Endangered by the Fish and Wildlife Service. Because of this, no specimens of the below species may be caught or displayed in insect collections or educational displays. If specimens of these species are included in collections or educational displays, it will be counted as a major violation. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Please refer to www.kanas4-h.org on the Entomology project page for more information.

400 COUNTY FAIR CLASS FOR BEGINNERS – 4-H members 7-9 years of age or beginners of any age may enter in this phase for only two years. Display in two cigar boxes (lids removed and each box covered with a clear plastic wrap). Cigar boxes should be about 2" x 6" x 8". Display a minimum of 15 species but no more than 30 species. This should include a minimum of 6 orders. Labels for the insect orders are required and must be pinned to the bottom of the boxes. A date/locality label is required on each specimen. This label is centered on the pin beneath the insect. Locality refers to the county and state where collected. Date refers to the date the specimen was collected. Labels should be small and neat. ***State Fair does not offer this class.**

401 BEGINNING I ENTOMOLOGY COLLECTION – Display in one standard box a minimum of 50 and maximum of 125 species representing at least 7 orders. Follow the general guidelines listed for Collections. A 4-H member can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

402 BEGINNING II ENTOMOLOGY COLLECTION – Display in one standard box a minimum of 75 and maximum of 150 species representing at least 9 orders. Follow the general guidelines listed for Collections. A 4-H member can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

403 INTERMEDIATE ENTOMOLOGY COLLECTION – Display a minimum of 100 and a maximum of 300 species representing at least 10 orders. Two standard boxes can be used. Follow the general guidelines listed for Collections. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging)

- a) "Insects in Kansas" book – Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera
or
- b) "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net – Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera.

On a piece of paper list what you did to improve your collection during the current year. A 4-H member may move up if they receive a purple ribbon.

404 ADVANCED ENTOMOLOGY COLLECTION – Display a minimum of 150 and a maximum of 450 species representing at least 12 orders. Three standard boxes can be used. Follow the general guidelines listed for

Collections. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. On a piece of paper list what you did to improve your collection during the current year. Examples: what insects did you add or replace; what orders and/or families you added; what Leadership you provided in this project; and/or what insects you have studied. Attach paper to the back of one of the display boxes. A 4-H member may continue to exhibit in this class at the Kansas State Fair for an unrestricted number of years as long as they remain eligible for 4-H membership.

NOTEBOOK CLASSES

1. Individual entries are to be placed for display in a three-ring notebook for competition.
2. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits
3. 4-H members may choose to use one of two taxonomies:
 - a) As printed in "Insects in Kansas" book or
 - b) As printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net.
4. 4-H members who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginning Phase of Entomology Notebooks, not the Introductory phase.
5. Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitor's name, county or district and class 4-H member is enrolled in and statement of taxonomy used:
 - a) "Insects in Kansas" book or
 - b) "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.netThe number of orders, specimens and families (required in Intermediate and Advanced classes) must also be included on the Title Page.
6. Specimen pages should be grouped according to order and should include one page per species. If more than one insect is in the photo, an arrow to indicate identified insect should be used.
7. Date, common name, full county name, state abbreviation and collector name should be included for each species. Collector's name on the specimen page is optional.
8. Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
9. A statement describing the habitat where found/host plant may be included and is encouraged and will be worth a bonus 10 points total, not per page. For Intermediate and Advanced notebooks, this is strongly encouraged.
10. A divider page is to be placed in front of each order of insects with the order name printed on the tab for the page and also on the front of the divider page.
11. For the Intermediate and Advanced Classes, insects are also to be grouped by family behind each order divider.
12. If the exhibitor has been in the same class for more than one year, a separate sheet of paper needs to be added stating how many years the exhibitor has been in this class of the project and what the exhibitor did this year to improve their notebook. Place the paper just behind the Title Page in the front of the notebook.
13. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.
14. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.

15. Refer to the publication "Entomology Collection Notebook Guidelines" on the Kansas 4-H Entomology web page for more detailed rules for exhibiting.
- 405** INTRODUCTORY ENTOMOLOGY NOTEBOOK – Display a minimum of 10 and a maximum of 30 insect species representing at least six different orders. Follow the general guidelines listed for Notebooks, including the Special Project. A 4-H member must be of minimum age to compete at the Kansas State Fair. A 4-H member may exhibit in this class for a maximum of two years.
- 406** BEGINNING ENTOMOLOGY NOTEBOOK – Display a minimum of 20 and a maximum of 60 insect species representing at least 7 different orders. Follow the general guidelines listed for all Notebooks, including the Special Project. Members can exhibit in this class a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.
- 407** INTERMEDIATE ENTOMOLOGY NOTEBOOK - Display a minimum of 60 and a maximum of 100 species representing at least nine orders. Follow the general guidelines listed for Notebooks, including the Special Project. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging).
- a) "Insects in Kansas" book – Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or
 - b) "Insects in Kansas Book: 2016 Revised Taxonomy" which follows www.bugguide.net – Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera.
- A 4-H member may exhibit in this class for a maximum of three years. A 4-H member may move up if they receive a purple ribbon.
- 408** ADVANCED ENTOMOLOGY NOTEBOOK - Display a minimum of 100 and a maximum of 200 species representing at least 12 orders. Follow the general rules listed for Notebooks, including the Special Project. Follow the general guidelines listed for notebooks. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. A 4-H member may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.

EDUCATION DISPLAY CLASSES

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming Insects curriculum that does not fit into Entomology Collection or notebook classes.
2. Follow copyright laws as explained in the General Rules.
3. The exhibit may be, but isn't limited to, original works, digital presentations (must provide printed hardcopy for exhibit purposes for duration of fair), programs, websites, games, apps, display box, notebook, display or poster which you have made.
4. If the exhibit is a wooden display box, it must be 18 x 24 x 3.5 inches with a clear plastic top (such as plexiglass) and displayed horizontally. 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.
5. Name and county/district must clearly be marked on educational exhibits.
6. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits.

7. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.
- 409** BEGINNING EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Beginning I and II Collection or Beginning Notebook Classes. If only exhibiting in this category, then ages 9-12. Follow the general rules listed for the Educational Displays.
- 410** INTERMEDIATE EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Intermediate Collection or Intermediate Notebook Classes. If only exhibiting in this category, then ages 11-14. Follow the general rules listed for the Educational Displays.
- 411** ADVANCED EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Advanced Collection or Advanced Notebook Classes. If only exhibiting in this category, then ages 13 or older. Follow the general rules listed for the Educational displays.
- 412** **Beginning Monarch Butterfly Educational Display:** Class for 4-H members enrolled in beginning I or II Entomology
- 413** **Intermediate Monarch Butterfly Educational Display:** Class for 4-H members enrolled in Intermediate Entomology
- 414** **Advanced Monarch Butterfly Educational Display:** Class for 4-H members enrolled in Advanced Entomology

Monarch Butterfly Educational Display Rules:

Monarch Butterflies were officially put on the Endangered Species List on July 21, 2022. Having the scientific name *Danatus plexippus*, this migratory butterfly is well known for its spectacular annual journey of up to 3,000 miles across the Americas. It is now threatened with extinction due to habitat loss and climate change. 4-H members can play a critical role in helping to bring habitat back for the Monarch Butterfly. They can help educate the public on ways to establish food sanctuaries for this butterfly species and help bring them back from the threat of extinction.

1. Exhibits should teach the public about the Monarch Butterfly and/or ways to protect and conserve it. The information could show nectar sources for adult butterflies and food sources for caterpillars, Monarch tagging activities, collection of native milkweed and then packaging it to give to others to plant, a group working together to plant a Monarch friendly garden.
2. 4-Hers may create a poster, notebook, standard size tri-fold, diorama, slide show or other visual display that shows information on Monarch Butterflies.
3. If a slide show is created, it should be presented on a zip drive along with a printed copy of the presentation.

A Champion and Reserve Champion will be chosen for Entomology.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H FIBER ARTS

Superintendent: Aubrey Behrends

Judging Time: Thursday, July 7, 9:00 a.m. - 10:30 a.m., First Baptist Church

FAIR – Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Release Time: Saturday, July 19, 12:00 p.m. - 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

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, crocheting, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting, 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.

Rules and Regulations specific to Fiber Arts projects:

1. Identification Label:
 - a. Type or print on a 3" x 2 ½" piece of cloth: class number, county, and exhibitor's name.
 - b. Sew or safety pin this ID label on the corner of the article.
 - c. For garments, attach the ID label to the front left shoulder seam, or left side of the waistband, as if you were wearing the garment.
2. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
3. Special consideration will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
4. 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 **60% wool**. For quilted items indicate who did the quilting and binding.
5. Exhibitors are expected to be enrolled in the Fiber Arts 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, crocheting, 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.
6. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
7. A Champion and Reserve Champion will be chosen for Fiber Arts.

420 Crochet, an article including felted items (see rule #4)

421 Knitting, an article made either by hand or by knitting machine including felted items (see rule #4)

422 Needle Arts – an article made by hand using any of the following techniques:

- a) Embroidery and cross-stitch
- b) Needlepoint
- c) Candle wicking
- d) Crewel
- e) Lacework
- f) Applique

- 423 Patchwork and Quilted article – It is acceptable for the 4-H member to create the patchwork or quilted article and have someone else quilt it.
- 424 Rug Making – acceptable techniques: braiding, latch hook, tying, floor cloth, etc. The finished product should be an item that would be an item used in the home.
- 425 Spinning – a skein – minimum 10 yards in length
- 426 Weaving, a woven article, attach information about type of loom or process used (see rule #4). Woven wood reed basket, should be exhibited in Visual Arts.
- 427 Ethnic Arts, an article: This is defined as Fiber Art 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 decoration. 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 rule #4).
- 428 Macramé – an article
- 429 Miscellaneous – Must not “fit” in any other Fiber Arts class
- 430 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, how-tos, 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.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H FOOD PRESERVATION

Superintendents: Angie Sylvester, Ashley Judd,
Kristie Stinebaugh, Jill Oberly, Emily Taylor & Kelly Shepherd

Entry and Judging Time: Monday, July 15, 9:00 a.m. – 11:00 a.m., Celebration Hall, at designated club times listed in website [Click Here](#)

Release Time: Saturday, July 19, 1:00 p.m. – 5:00 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
 2. Entries that do not comply with class rules will be dropped a ribbon placing.
 3. All exhibits must have been preserved since the member's previous year's county fair and not have been exhibited at the previous State Fair.
 4. 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, oven canning, sun canning and using electric multi-cookers. For more information on electric multi-cookers, see https://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html. Untested recipes will be disqualified for food safety reasons. Tested 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
 - Canning mixes (i.e. Mrs. Wage's, Ball®)
 - Pectic manufacturers (i.e. SureJell, Ball®)
 - [KSRE Rapid Response Center Preservation Recipes](#)
 - [National Center for Home Food Preservation](#)
 - [Ball® and Kerr](#)
5. Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and not judged.
 6. There are no safe recommendations to can white peaches or elderberries.
 7. 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. Wage's or Ball® mixes, indicate the date the mix was purchased.
 8. Exhibits must be processed 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:
 9. There are 12-ounce and 24-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.

10. Each jar exhibited must be labeled. The label must not cover the brand name of jar. The label must give: Class Number, Product, Altitude of Residence, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), and date processed including month, year and Name and County/District. Templates to make adhesive labels can be found at a link on the bottom of the page.
11. Each 4-H member may enter up to two exhibits but only one entry per class.
12. Attach the entry tag and recipe (hole punch) to the top of the jar using a rubber band.
13. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 – ½ cup, or three or four pieces per exhibit. Dried products must include the recipe, preparation steps and heating instructions.
14. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature! 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.”
15. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
16. Honey must be produced in the same year as the fair and in the state of Kansas.
17. Extracted Honey: Liquid honey that has been separated from the comb by centrifugal force, gravity, straining or other means.
18. A Champion and Reserve Champion will be selected from all entries in the division.

- 470 Sweet Spreads (Fruit and/or Vegetables), Syrups; one jar
- 471 Fruits, Juices, Fruit Mixtures (Salsa, Pie Filling, etc.); one jar
- 472 Low Acid Vegetables (green beans, corn, vegetable mixture or etc.); one jar
- 473 Pickles (Fruit or Vegetable), Fermented Foods, Relishes and Chutney; one jar
- 474 Tomato/Tomato Products, Tomato Juice and Tomato Salsas; (Salsa in pints only, no quarts)
- 475 Canned Meats; one jar
- 476 Any dried Foods; one small jar
- 476 Extracted Honey; three (1) pound queenlione jars
- 477 Frame Honey; a shallow (5 3/8”) or medium (6 ¼”) depth frame

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

Scoring for extracted honey;

- Moisture content (10pts) - Between 15.5% and 18.6%
- Absence of crystals (10 pts)
- Cleanliness (40 pts) - Without lint, dirt, wax or foam
- Flavor-points (10 pts) - Reduced for flavor affected by processing
- Container appearance (10 pts) - Accuracy of filling-headroom ½”maximum, ¼” minimum with no visible gap between top of honey and lid.
- Uniformity of filling (15 pts)

Scoring for Framed Honey

- Uniformity of appearance-even comb (20 pts)
- Absence of uncapped cells (15 pts)

- Uniformity of color (15 pts)
- Absence of watery and perforated caps (15 pts)
- Cleanliness and absence of travel stains (15 pts)
- Cleanliness of frame (10 pts)
- Freedom from pollen and granulation (10 pts)

Refer to following K-State Research and Extension publication for more information:

4H712 Food Safety Recommendations for Food Preservation Exhibits

<http://www.ksre.ksu.edu/bookstore/pubs/4H712.pdf>

MF3170 10 Tips for Safe Home-Canned Food

<http://www.ksre.ksu.edu/bookstore/pubs/MF3170.pdf>

MF3171 Sassy Safe Salsa at Home

<http://www.ksre.ksu.edu/bookstore/pubs/MF3171.pdf>

MF3172 What's Your Elevation?

<http://www.ksre.ksu.edu/bookstore/pubs/MF3172.pdf>

MF3241 How to Guide to Water Bath Canning and Steam Canning

<http://www.bookstore.ksre.ksu.edu/pubs/MF3241.pdf>

MF3242 How to Guide to Pressure Canning

<http://www.bookstore.ksre.ksu.edu/pubs/MF3242.pdf>

<http://www.rrc.k-state.edu/preservation/recipes.html>

Template to make adhesive labels:

<http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/index.html>.

Dry Meat Safety at home:

<https://www.bookstore.ksre.ksu.edu/pubs/MF3173.pdf>

DIVISION: 4-H FOODS AND NUTRITION

Superintendents: Angie Sylvester, Ashley Judd,
Kristie Stinebaugh, Jill Oberly, Emily Taylor, Kelly Shepherd

Entry and Judging Time: Monday, July 14, 9:00 a.m. - 11:00 a.m., Celebration Hall, at designated club times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Entries must be made from scratch. No mixes are allowed in any products.
2. 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.
3. Alcohol (ex: wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not be judged.
4. 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.
5. Under baked entries will be lowered one or more ribbon placings.
6. Entries that do not comply with class rules will be dropped a ribbon placing.
7. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
8. A 4-H member may enter a maximum of two baked products and one educational display or Food Gift Package item in each Level of Foods in which they are enrolled. Only one entry per class is allowed.
9. Complete recipes are required for all food product exhibits with ingredients and instructions.
10. For this division, quick breads do not contain yeast.
11. 4-H members are encouraged to use whole grain flours, fruits, nuts, etc.
12. All entries must be removed from the pan with the exception of a fruit pie. Each entry must be placed on paper plate and in a clear plastic food grade bag. Entries too large to place on a paper plate must be placed on a covered cardboard or disposable container of appropriate size for the exhibit. Only the exhibit is judged. The container is not judged.
13. All unfrosted cakes should be exhibited in an upright position with top crust showing, except for those cakes made with special designs such as Bundt cakes. They should have the top crust side down.
14. A food gift package must contain at least 3 different items, (**prepared for human consumption**) made by the 4-H member, in a suitable container no larger than 18” x 18” x 18”. Prepared food items must have recipes attached with entry. Additional homemade food items beyond the 3 minimum or purchased items may also be included in the gift basket. **No alcoholic beverages will be accepted.** Food products will not be opened or tasted. It is recommended for packaging to allow all or part of the product to be seen; for example, if displayed in a paper or fabric bag, cut a view hole and place product in a plastic bag inside the paper or fabric bag. 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. On the back of the entry form, answer the following questions:
 - i. What is the intended use?
 - ii. What food safety precautions were taken during and after preparation?

15. 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 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 a 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.
16. For food safety purposes, any entries with frostings and fillings must calculate the amount of sugar in the frosting/filling recipe only. Calculation must be attached to entry, or the placing will be lowered one ribbon when judged. Frosting and fillings need to contain more than 65% sugar for safety. Examples on how to calculate this percentage are included in the publication located [here](#).
17. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
18. A Champion and Reserve Champion will be selected from each of the four Food and Nutrition categories, as well as the Food Gift Package Class.

4-H Members – Age 7-9

- 482** Non-perishable food product
483 Food Gift Package or Educational Exhibit

4-H Members – Age 10-13

- 484** Non-perishable food product
485 Food Gift Package or Educational Exhibit

4-H Members – Age 14-18

- 486** Non-perishable food product
487 Food Gift Package or Educational Exhibit

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H FORESTRY

Superintendent: Emily Taylor

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. All leaf exhibits must be mounted on 8 ½" x 11" heavy stock paper and placed in loose leaf binders (magnetic or adhesive filler sheets for photographic prints are recommended). Twigs and fruit collections may be exhibited in whatever manner you choose (maximum exhibit size 2' x3').
2. Name, club, age, and year in project should be on front cover or in a prominent location.
3. Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) the proper common name as listed in the 4-H 334. List of Native Kansas Forest Trees; (2) Scientific Name (Optional in 2025 and required in 2026) (3) Location (city and or county) where collected; and (4) date (day, month, year) or (month, day, year) collected. Be consistent with the location of the labels in your notebook (consider the lower right-hand corner).
4. Intermediate Forester – exhibit only in phase(s) enrolled.
5. Senior Forester enrolled in Self Determined can exhibit in Self Determined Forestry at the State Fair.
6. Divide specimens into the following two sections: Native Kansas Trees and Non-Native Trees.
7. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.
8. Group specimens according to the years collected (ex: "old-previous years" and "new").
9. Variations of varieties do not count as different species or specimens.
10. When replacing previously display samples, due to degradation, improper mounting or incorrect identification, the specimen label must also be updated. Replacements do not count as new specimens. Replacements should be displayed in the "old previous" section of the display.
11. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
12. In all leaf collections (Division A – Intermediate Forester), exhibit one complete leaf where possible. If leaf is too large, exhibit as much as possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion is from. Note: A "leaflet" is incorrect when displayed as the complete leaf for the tree.
13. All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.
14. Conference judging will be offered. Sign up at time of entry. (Optional)
15. Exhibits will be displayed on tables in Celebration Hall.
16. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
17. A Champion and Reserve Champion will be selected in Forestry.

KNOWING TREES AS INDIVIDUALS (LEAF COLLECTIONS)**

510 Beginning (Choose either A or B)

- 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.

511 Intermediate (Choose either A or B)

- A. Exhibit a minimum of 20 different leaves (Includes at least 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.

512 Senior (Choose either A or B)

- 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.

513 Advanced (Choose either A or B)

- 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.

****Exhibit one complete leaf where possible. If leaf is too large, exhibit as much of the terminal portions as possible. Sketch in reduced scale the entire leaf, and illustrate where the exhibited portion comes from.**

HOW A TREE GROWS

- 514 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

- 515 NOTEBOOK:** Entry may include a research or reporting 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

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

TREE CULTURE

- 517 DISPLAY/NOTEBOOK:** Entry requires 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

- 518** Entry may include collected wood samples (all or partial) and 500-word essay. Wood sample display to be mounted on poster board or any stiff material no larger than 3' x 4' tri-fold. Essay should be displayed in a covered binder.

EDUCATIONAL / CREATIVE EXHIBIT

- 519** 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 which shall withstand fair conditions. This is a good class to exhibit an unusual collection.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

Resources

- Project Area – <https://www.kansas4-h.org/projects/agriculture-and-natural-resources/forestry/index.html>
- Tree Identification - <https://bookstore.ksre.ksu.edu/pubs/4H334.pdf>

DIVISION: 4-H GEOLOGY and LAPIDARY

Superintendent: Emily Taylor

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m.-2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Consultation judging with the judge is optional.
2. Exhibit box should be 18 x 24 x 3 ½ inches. Plexiglass covers are required. Boxes with glass covers WILL NOT be accepted. All specimens are to be arranged across the narrow (18 inch) dimension of the exhibit box, making the exhibit 18 inches across the top and 24 inches deep exactly. If a box has a sliding plexiglass cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes only, the dimensions of the box should be appropriate for the display, but should not exceed 18" x 24" x 3 1/2 ".
3. Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper-left hand corner of the Plexiglass cover (inside-use clear double-sided tape to adhere gummed labels), and by attaching a label with the same information on the lower right corner of the box (outside).
4. Exhibitor may enter in both Geology and Lapidary classes. Exhibitors may show in only one of the first four geology classes (521-524). Exhibitor may also show in geology class 525 (special exhibit), 526 Mineralogy and in one Lapidary class.
5. Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
6. All Specimens must be collected in the State of Kansas, beside #8.
7. For the Geology Classes 521, 522, 523 & 524, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words "phylum, class, genus" on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrell Limestone Member, not just Phylum: Brachiopoda Class; Articulata Genus; Composita).
8. For Geology Classes 521, 522, 523, 524 & 526, all specimens must be collected (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from the following three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.
18. In order to be eligible for the State Fair, an exhibitor must be 9 years old (4-H age) and have received a purple ribbon on their exhibit at the county fair. The exhibit must qualify in Class 521 to be eligible for the State Fair.
19. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
20. A Champion and Reserve Champion will be selected for Geology.

- 520 Cigar Box Geology:** For Beginners: 4-H member 7-9 years old or beginners of any age may exhibit in this phase for only 2 yrs. Display in 2 cigar boxes or boxes of similar size (12 x 8 x 2 inches). They need to be covered with a clear plastic. Lids need to be removed. At least 10 specimens must be exhibited. No more than 15 may be in the collection. Rocks and minerals must be identified with the specimen's name, and fossils must be identified to the phylum level.
- This class is not eligible for State Fair**
- 521 Geology:** Display at least 15 different rocks, minerals, and fossils collected during the current 4-H year. Exhibitor is limited to one exhibit box. Only those exhibiting at the County or State Fair for the first time may enter this class.
- 522 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. Exhibit is limited to one exhibit box. This class is open to those exhibiting either second or third time at the County or State Fair.
- 523 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 fourth or fifth time at the County or State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- 524 Geology:** Display at least 60 different rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current year. Exhibit limited to two boxes. This class is open to those exhibiting the sixth time or more at the County or State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- 525 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 accepted. Please plan for the judge to view your exhibit and have a hard copy for display. List your sources used (example – web addresses or books reviewed as a citation list). Exhibit limited to 4 feet of table space. Care should be taken to use durable materials that will withstand Fair conditions. Exhibits in this class must be pre-entered. Exhibitor may show in the class regardless of the number of times he/she has entered at the County or State Fair or whether exhibitor has entries in classes 521, 522, 523 or 524. Exhibitor may also exhibit in lapidary class.
- 526 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 #2). 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.
- 527 Paleontology:** Display a minimum of 15 mineral specimens collected in Kansas, at least 5 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 #2). 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 #6 for additional fossil labeling expectations.
- 528 Petrology:** 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

The lapidary will be judged on the following criteria:

Workmanship and Content	60 Points
Presentation and Showmanship	30 Points
Accuracy of Information	10 Points

The dimensions of the box should be appropriate for the display but should not exceed 18" x 24" x 3½".

The work (polishing/tumbling) must be done by the exhibitor as this is part of the learning process.

All lapidary specimens should be labeled with the following information:

- Specimen name
- Place of origin (country, state, or county; county required for Kansas specimens)
- Purchased or self-collected
- Date lapidary treatment began
- Date lapidary treatment completed (Treatment completed after the State Fair is considered a new year specimen).

529 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 who exhibit lapidary at the State Fair for the first time may exhibit in this class.

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

531 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 member, 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.

532 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 member, at least two of which come from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

533 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 3 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 533. Please note that each member is limited to one entry in this class.

Ribbon Award: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H Horticulture & Landscape Design

Superintendent: Dawn Rumford and Kaylyn Davis

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Tuesday, July 15, starting at 1:30 p.m.

Release Time: Saturday, July 19, 12:00 p.m.- 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All floral materials must be grown and/or collected by the exhibitor. Do not use purchased plant materials.
4. Potted plants are not accepted. Except classes 563 – 564.
5. Exhibitor allowed one (1) entry per class for specimens.
6. Entries should not take over one square foot of table space.
7. It is recommended that flowers and arrangements be in disposable containers. Containers that are not claimed at check-out will be disposed of.
8. All entries must be freestanding, easily moved, and not require any special equipment to display. Hanging entries are not accepted.
9. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
10. A Champion and Reserve Champion will be selected in specimens and arrangements.

SPECIMEN

1. Signifies one (1) bloom, spike, or spray on good stem with its foliage.
2. Quality is judged – not the container, but should be proportionate.

- 540** Aster
- 541** Celosia, Plume
- 542** Cockscomb
- 543** Dahlia, 2" or less
- 544** Dahlia, 2" or more
- 545** Daisies
- 546** Gladiolus
- 547** Helianthus, (1) stem, any type
- 548** Hemerocallis (any lily)
- 549** Marigold, dwarf (2" or less)
- 550** Marigold, large (2" or more)
- 551** Rose, miniature
- 552** Rose, tea
- 553** Zinnias, small (2" or less)
- 554** Zinnias, large (2" or more)
- 555** Annual (any not listed)
- 556** Perennial (any not listed)

COLLECTIONS (3 stems or spikes)

- 557** Gladioli, mixed
- 558** Marigolds, dwarf (2" or less)
- 559** Marigolds, large (2" or more)
- 560** Petunias, any type
- 561** Zinnias, dwarf (2" or less)
- 562** Zinnias, large (2" or more)

HOUSE PLANTS

- 563** Flowering House Plant
- 564** Non-Flowering House Plant

ARRANGEMENTS

1. A 4-H member may enter up to 4 floral arrangements and one horticulture notebook.
2. All floral materials must be grown and/or collected by the exhibitor, rather than purchased. Entries should not take over one square foot of table space.
3. Potted plants are not accepted.

- 565** Fresh Flower Arrangement. Flower materials must be grown and/or collected by exhibitor, not purchased.
- 566** Dried Flower Arrangement. No fabric or plastic material allowed.
- 567** 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-H members 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 on 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%.

GARDEN VEGETABLES

- 568** Plate of 5 Standard Tomatoes
- 569** Plate of 5 Cherry or Ornamental Tomatoes
- 570** Plate of 5 Green Onions
- 571** Plate of 5 White Onions
- 572** Plate of 5 Yellow Onions
- 573** Plate of 5 Red Onions
- 574** Plate of 5 Table Beets
- 575** Plate of 5 Carrots
- 576** Plate of 5 Bell Peppers
- 577** Plate of 5 Other Peppers
- 578** Plate of 5 Okra
- 579** Plate of 5 Turnips
- 580** Plate of 5 Parsnips
- 581** Plate of 5 Miniature Pumpkins

- 582 Plate of 5 Decorative Gourds
- 583 Plate of 5 Red Potatoes
- 584 Plate of 5 White Potatoes
- 585 Plate of 5 Sweet Potatoes
- 586 Plate of 5 Cucumbers
- 587 Plate of 5 Ears of Sweet Corn
- 588 Plate of 5 Kohlrabi
- 589 Plate of 5 Radishes
- 590 Plate of 5 Other Medium Vegetables
- 592 Plate of 12 Snap Green Beans
- 592 Plate of 12 Yellow Wax Beans
- 593 1 Large Type Pumpkin
- 594 1 Summer Squash
- 595 1 Winter Squash
- 596 1 Cantaloupe
- 597 1 Eggplant
- 598 1 Head Cabbage
- 599 1 Watermelon
- 600 1 Head Broccoli
- 601 1 Head Cauliflower
- 602 1 Other Large Vegetable

Garden Display:

- 603 Each exhibitor in this class will be limited to four square feet of space. **The Garden Display should be exhibited in a tray, basket or container that can easily be moved by the fair staff.** Exhibit consists of 5 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 number of 5 types of vegetables or fruits to be exhibited is as follows:
 - Large Vegetables (one each):** Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Winter or Summer Squash, Watermelon, Broccoli or Cauliflower
 - Medium Vegetables (five each):** Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Radishes, Sweet Potatoes, Tomatoes, Garlic or other similar sized vegetables
 - Small Vegetables (twelve each):** Snap Green Beans, Wax Beans, English Peas, Cherry and Pear Tomatoes or other similar sized vegetables
 - Small Fruits (one half pint box):** Strawberries, Blackberries, Raspberries, or other similar sized fruits
 - Tree Fruits (five each):** Apples, Pears, Peaches, or similar sized fruits
 - Grapes (two bunches)**
- 604 Fresh Culinary Herbs (6): i.e. Parsley, Basil, Dill, etc. Six stems (or a comparable quantity) on one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.
- 605 Small Fruits (one half pint box) Strawberries, blackberries, raspberries, or other similar sized fruits. (if other, please include name of fruit on entry).
- 606 Tree Fruits (plate of 5) Apples, Pears, Peaches, or similar sized fruits
- 607 Grapes (2 bunches)
- 608 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. Exhibitor is 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%.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H Design and Architecture

Superintendent: Cheryl Conner

Conference Judging Pre-Registration Form Due: Monday, June 19 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m.-2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Project Overview:

Architecture and Design is an important aspect of creating work and living environments that feel good and serve a purpose to those who utilize them. Designing the feel, look or mood of a room with lighting, furniture, wall placement and design elements are all examples of ways to incorporate the design process into your environment. Learning and experimenting with the elements of design – color, line, value, space, shape form and texture, is important. Of equal importance is knowing how to work with the principles of design – proportion, scale, balance, rhythm, unity and variety. Being a designer (architect, industrial/product designer, interior architect or interior designer) starts with having an end goal in mind and using each step of the planning process to support the end goal. Good designers understand how design makes a space look good and the components needed to put it together. The overarching goal is to create a space that is structurally sound, safe, inclusive, functional, and inviting to all.

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped one ribbon placing.
3. An entry card must be attached to the exhibit with safety pin(s) or tape and string.
4. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
5. A Champion and Reserve Champion will be selected for Home Environment.
6. Interior Designers have a capacity to influence the way we feel when we inhabit a space. In some instances, this impact can be felt emotionally and physically, in other words, it can affect our mood. Tools such as color, light, texture and pattern can all be used to convey or stimulate such a response to a space.
7. Members can only enter one project in one class in the division.
8. A Champion and Reserve Champion will be selected for Home Environment.

Interior Design Focus:

Interior Designers have a capacity to influence the way we feel when we inhabit a space. In some instances, this impact can be felt emotionally and physically, in other words, it can affect our mood. Tools such as color, light, texture and pattern can all be used to convey or stimulate such a response to a space

- 610 Room Design Board.** Select one room within your home or imaginary/future home (bedroom, bathroom, kitchen, etc.) to design. Create a basic floor plan showing wall footprint including any furniture, fixture and/or cabinet layout. Include any other illustrations, drawings or photographs to help support your design. Also include material/finish samples (wall treatments, floor covering, paint samples, etc.) Label any drawings or finishes so the audience understands their intention. All finishes should be attached to the design board. To explain your design intent, write a brief description to be included on the design board. (no more than one page 8 1/2 x 11). Boards must be on foam core or a standard tri-fold display.
- 611 Two Collages on Design Board -** In this project, develop two imaginary interior rooms. Each room should start out with identical dimensions and features (doors, windows, etc.) The function of the room can be up to you (bedroom, coffee shop, art studio, etc.) but should be the same for both rooms. For each space, create a feeling or mood for the occupants of the space. The mood created for one space should be the opposite or contrast to the second space. Choose a pair of contrasting words from the list provided (where do we put the list) to get started. Each collage must be on its own page. Page size preference and maximum is 11 x 17; can use smaller dimensions if needed. Collages should convey a space that includes a background, midground and foreground. Once these are established, add as many layers as needed. Use print materials from magazines, colored paper, the internet, or other design materials to find furniture, lighting fixtures, textures and other elements to complete each collage. For each collage, write a brief description of your design intent. (one to three paragraphs total). Adhere both collages and design intent on a foam core presentation board. Label each collage with the descriptive words you selected from the list. Additionally, you may include research, inspiration imagery or any additional drawings that helped you design your space.
- 612 Two Diorama Models.** Similar to class 4401, 4-H Members will construct two dioramas, one for each space demonstrating contrasting moods. Each diorama will be designed within similar sized boxes. Boxes should be large enough to be easily viewed but no larger than 12" x 18". Both rooms being depicted need to be the same size. Dioramas should convey a space which includes a background, midground and foreground. Once you have these established, you can add as many layers as needed. Use print materials from magazines, colored paper, the internet or other design materials to find furniture, lighting fixtures, textures and other elements to complete each room or diorama. Elements will need to be cut out and adhered to each background, midground and foreground to reflect the design of the room. Focus on selecting materials and colors to create the mood or essence of the space. Use openings in your container to experiment with the effect of light in your space. Dioramas should not contain actual figures, miniature furniture/cabinets or moveable parts. All elements should be paper adhered to materials easily found at home. For example: magazine photos, cardstock, plastic, cardboard, chipboard or other material to depict design finishes/elements within the diorama.

Architecture Focus:

Architects plan, design and oversee the construction of buildings and other structures beginning with concept development to the final construction phase of projects. It's also important that they ensure the final product is safe and functional. Architects balance artistic creativity with sound building techniques while also considering how the built environment impacts people's emotions and lifestyle.

- 613 Marble Maze or Enclosure -** Create a space in which a marble will move through a sequence of rooms, enclosures or spaces. Use different types of elements and materials to enclose your spaces or guide the marble. Consider the size of the marble and how you want the space to feel – big and open or small and enclosed. Pay close attention to the sizes of architectural elements relative to the size of the marble. To construct the marble maze or enclosure, use household materials found around the home to create the

structure. (cardboard, chipboard, construction paper, paper towel or toilet paper tubes, etc.). The base of the structure should be no larger than 18" x 24" (poster board size) and 12" in height. In addition to your enclosure/maze, you may also present a small design board with illustrations/drawings to help the audience understand the path of travel for the marble, or the rules for which you designed. Write or type a brief description of your design intent (1-3 paragraphs total) to be included on the design board.

- 614 Marble Maze Presentation Board Only** - Presentation board should be foamcore with below items attached: Include drawings of your marble enclosure/maze design; (examples include floor plan, section, elevations, etc.) In addition to your base drawings, include any illustrations/drawings to help your audience understand the path of travel for the marble. You may also include quality photographs that show the sequence of the marble moving through the built design. Images may be annotated, meaning you can use notes to explain your thoughts/design intent, on the board. This sequence of photos should visually tell the story of your design. Write or type a brief description of your design intent (1-3 paragraphs in total) to be included on the presentation board.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H PHOTOGRAPHY

Superintendents: Alicia Rossi, Jenifer Nelson,
Kerri Matile, & Traci Pearce

Entry & Conference Judging: Monday, July 14, 1:30 p.m. – 4:00 p.m. at Celebration Hall at Designated Club Times

Entries will be kept and displayed in Celebration Hall during the Fair.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Photo bags and matte boards are available to purchase at the Extension Office.

1. Photography is a pre-fair, conference style judging. Your attendance is encouraged. Photographs, however, must be judged at the pre-fair judging in order for it to count as a 4-H Photography exhibit.
2. 4-H members are eligible to enter a total of four exhibits in the division. There is a limit of two entries per class.
3. Photographs entered must be the result of the current year's project work by the 4-H member. Photo images must be taken by the 4-H member (exhibitor).
4. All photos must be no larger than 8" x 10" and no smaller than 7" x 9" after trimming.
5. Photos are to be mounted across the narrow (11") dimension of an 11" x 12 ½" sheet of white or cream studio mat board. Photos mounted on poster board or foam core board will not be displayed.
6. Photos must be mounted with the top edge of the print 1" below the top of the mount. The sides of the print must be equal distance from the two sides of the mount.
7. A full coverage permanent mount (spray adhesive recommended or heat mount) must be made by using photographic adhesive. Each photo is handled numerous times throughout the judging, sorting and display process.
8. No lettering, including dates, is permitted on the front of the mount or on the photo. Only the Fair Photography ID Form is to have lettering on it. No underlay or borders are to be used.
9. On the back of the mount, write; the exhibitor's name, address, photo class, location where the photography was taken and the Extension Unit (county/district).
10. Improperly mounted photos, oversized or undersized 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.
11. 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.
12. 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.
13. The black and white class is 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.
14. 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 Fair.

15. Photos with live subject(s) on railroad right of way or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and will be **disqualified and not judged**.
16. Copyright protections must be observed.
17. Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the 4-H Agent responsible for the photography department.
18. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
19. A Champion and Reserve Champion will be chosen in each class.

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

621 Color photos taken by a 4-H member with 4-7 years in the project

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

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

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

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

627. Growth Portfolio

1. Member is eligible for this class beginning with the third year of enrollment in the 4-H photography project.
2. Exhibit will consist of one photo for each year of enrollment. Each photo must have been created in a different year and must be labeled with the year taken/project enrollment year. A maximum of 5 photos may be included, if the member has 5 or more years of enrollment. Photos are not required to be in a consecutive order. For example, a nine-year-old with three years enrollment in photography is eligible to enter a growth portfolio. The portfolio in this example should have one photo from the seven-year-olds year, one photo from the eight-year-olds year, and one photo from the nine-year-olds year. The growth portfolio class may start at any time in the member's photography career. For an older member, the growth portfolio would represent any five years in the project, for example, years 1,3,5,7 and 9 for a member having project enrollment totaling 9 years.
3. Photos must be 8" x 10" and may be color or black and white and must be unmounted.
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 or enrollment, information sheet on each photo, and all information listed in #6 and #7. A portfolio book will be required to exhibit.

628. Career Portfolio

1. Member must have been enrolled in Photography for five (5) or more years OR member must be age 15-19 and enrolled in photography for at least two (2) years.
2. Exhibit will consist of ten (10) 8"x10" 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 and must be unmounted
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 present in a notebook designed for portfolio review with pages for required information for #4 and #5.

NOTE: A member may enter only one portfolio each year. Portfolio must have qualified at the County/District Level beginning with 4-H year 2021-2022. For State Fair 2021 and 2022, not County/District is required.

629 My Favorite 4-H Display:

This 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 four photos will be mounted with a fifth mount reserved for a one page, printed or handwritten narrative/description that details each photo and why the exhibitor regards these photos as their most significant work. Photos and narrative/description will be displayed on one row of the photography racks. This class provides an alternate way to showcase the development and accomplishments of the 4-H member's photography career. Members who display in My Favorite 4-H Photography Display can still enter two other classes.

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, remove all 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. -Tell how/when an interest in photography began. -Explain why each of the four photos is a favorite. -Share the skills learned because of photography. Think beyond camera skills and include leadership, community service, etc. -Tell of any mentors/leaders worked with. -Share workshops or camps pertaining to photography you attended. -Explain (if relevant) any plans to use photography skills beyond 4-H/High School. -Include a small (2 x 3) photo of yourself at the start of the biography. -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.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H ROBOTICS
Superintendent: **Emily Taylor and Lisa Meyer**

Conference Judging Pre-Registration Form Due: Monday, June 16

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

ROBOTICS

1. 4-H members must be currently enrolled in the Kansas 4-H Robotics project to exhibit in this division.
2. Each exhibitor may enter one robot per class. Exhibit 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 exhibit must include a robot, information packets are not a sufficient exhibit.
4. Robots must have automated articulated structures (arms, wheels, grippers, pneumatic, hydraulic, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer systems division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer systems project 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. If displayed in a case (not required or encouraged for the state fair, but strongly encouraged for county fairs) the outside case dimensions should not be excessive. The display case should have the exhibitor's information attached to both the lid and cover, as the top art of the case may be separated from the display.
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 robot's dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container (Examples: 4"x4"x36" or 4"x8"x18" or 6"x6"x16). 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 could be used 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. Robots programmed on phones/tablets need to have a specific program created, using motion controls to move the robot are not acceptable, for example "press forward on the screen to make the robot go forward." 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 three (3) seconds at which point an actuator is triggered, then the motor spins for three (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 judge will operate each robot to evaluate its workmanship and its ability to complete its intended tasks. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot, a video will be used to evaluate the working condition of the robot. It should follow the instructions provided for operation so that the judge can follow along with the provided instructions. For county fairs, where consultation judging is used the video requirement should be waived in favor of actual operation of the robot.
11. Each exhibitor is required to complete the "4-H STEM Robotics Exhibit Information Form" which is available at the Extension Office. 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 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 five pages of project photographs. 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 electric program as under the STEM-Astronomy robotics project 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 ensured. 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. For the State Fair, the 4-H Member must include a video following their instructions for operation.
 1. Videos with an accompanying release form signed by the exhibitor's parent or guardian may be displayed at the State Fair in the Engineering & Technology exhibit area.
 2. They video must not be more than 8 minutes long and should be included on the USB drive.
15. 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 in a prominent location on the robot such as on the bottom of the robot, exhibit cards are not acceptable form of labeling.
17. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H STEM-Astronomy Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H STEM-Astronomy project.
18. If a safety violation is noted by the judges, superintendents, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a participation ribbon.
19. A Champion and Reserve Champion will be chosen for Robotics.

Division A – Novice – One to Two Years in Robotics Project

637 Robot made from a commercial (purchased) kit

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

639 Programmable robot made from a commercial (purchased) kit

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

641 Junk Drawer Robotics-based curriculum robot

Division B – Intermediate – Three to Four Years in Robotics Project

642 Robot made from a commercial (purchased) kit

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

644 Programmable robot made from a commercial (purchased) kit

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

646 Junk Drawer Robotics-based curriculum robot

Division C – Professional – Five or More Years in Robotics Project

647 Robot made from a commercial (purchased) kit

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

649 Programmable robot made from a commercial (purchased) kit

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

651 Junk Drawer Robotics-based curriculum robot

Division D – Team Robotics Project

652 Robot designed and constructed by two or more 4-H STEM-Astronomy 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 STEM-Astronomy 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.

Educational Exhibits Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology areas of astronomy, computers, rocketry, robotics, or uncrewed aerial systems, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 <http://robotics.engtech4ks.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.
5. 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.
6. 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.
7. "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.

8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. 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 Uncrewed Aerial Systems
13. 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.

Robotics – Intermediate Division (Ages 7 – 13)

654 Robotics Educational Display
655 Robotics Educational Notebook
656 Robotics Educational Poster

Robotics – Senior Division (Ages 14 years and older)

657 Robotics Educational Display
658 Robotics Educational Notebook
659 Robotics Educational Poster Robotics

Team Robotics Project

660 Team Robotics Educational Display
661 Team Robotics Educational Notebook
662 Team Robotics Educational Poster

DIVISION: 4-H SMALL ENGINES
Superintendent: **Emily Taylor and Lisa Meyer**

Conference Judging Pre-Registration Form Due: Monday, June 16

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Through 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.

All exhibits should involve engines smaller than 20 horsepower. for classes 4610-4612.

Engine should contain no fuel in tank or carburetor.

1. Each Small Engines exhibit must include a "4-H Small Engines Information Form", which is available through your local K-State Research and Extension office or at <http://smallengines/engtechrks.com/>. This form must be attached to the outside of a 10' X 13" manila envelope. Place them inside the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits
2. Items that have been in use should be cleaned for exhibit.
3. A sheet of operating instructions must be included in the packet for any exhibit that is not self-explanatory.

CLASSES

- 675** Display: Exhibit a display, selecting one of the following options: 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR 2) a display identifying and explaining the function(s) of different special tools needed for small engine work; OR 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.
- 676** Maintenance: Exhibit a display that illustrates either: 1) Routine maintenance procedures OR 2) Diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display, using a maximum tri-fold size of 3' x 4'.
- 677** Operation: Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Engine should contain no fuel in tank or carburetor.

DIVISION: 4-H UNMANNED AERIAL SYSTEMS
Superintendent: **Emily Taylor and Lisa Meyer**

Conference Judging Pre-Registration Form Due: Monday, June 16

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

UNMANNED AERIAL SYSTEMS

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

Rules:

1. The information that accompanies the UAS must be limited to the 4-H & Technology Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the UAS. This may be downloaded from <http://uas.engtech4ks.com/>. Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon. All revisions of forms previously released for the 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.
2. For the State Fair, the 4-H Member must include a video of the youth operating their UAS.
 - a. Videos with an accompanying release form signed by the exhibitor's parent or guardian may be displayed at the State Fair in the Engineering & Technology exhibit area.
 - b. The video must not be more than 8 minutes long and should be included on the USB drive.
3. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled on the exhibit, educational display, notebook, and/or poster.
4. Uncrewed Aerial System that include or depict weaponry of any kind will be disqualified.
5. For scratch built UAS kits, if modifications are made to the exhibit, a page should be attached noting those modifications.
6. 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.
7. For practical application entries, the UAS is not required to be displayed as part of the exhibit, only the supporting material.
8. The same UAS may be used by multiple exhibitors for different practical application entries.
9. UAS 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.

Division A – Junior, 7-13 years old

- 678** Unmanned Aerial System designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- 679** Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other nonagricultural UAS uses that would be appropriate for this class.

Division B – Senior, 14 years and older

- 680** Unmanned Aerial Systems designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- 681** Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

Educational Exhibits Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology area of uncrewed aerial systems.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 scoresheet available at <http://uas.engteck4hks.com>.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. Posters are limited to commercial 3' X 4' tri-fold display boards.
8. "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.
9. Educational Project notebooks must be organized in a 3-ring binder.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. 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.

12. Exhibits should possess the following qualities (in no particular order):
 - a. A Central 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
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor' exhibit, at the judge's discretion, will receive a participation ribbon.
14. Posters, Notebooks, and Display Boards may be checked out for use in a Kansas Stat 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.

Uncrewed Aerial System – Junior Division (Ages 7 – 9)

- 682 Junior Uncrewed Aerial System Educational Poster
- 683 Junior Uncrewed Aerial System Display Board
- 684 Junior Uncrewed Aerial System Notebook

Uncrewed Aerial System – Intermediate Division (Ages 10 – 13)

- 685 Intermediate Uncrewed Aerial System Educational Poster
- 686 Intermediate Uncrewed Aerial System Display Board
- 687 Intermediate Uncrewed Aerial System Notebook

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

- 688 Senior Uncrewed Aerial System Educational Poster
- 689 Senior Uncrewed Aerial System Display Board
- 690 Senior Uncrewed Aerial System Notebook

Sewing and Textile Design

Superintendents: Linda Normile, Emily Taylor

Judging Time (Pre-Fair): Monday, July 7; 10:00 a.m. – 11:30 a.m.; First Baptist Church

Entry Time (At Fair): Tuesday, July 15, 10:00 a.m. - Noon

Release Time: Saturday, July 19, 12:00 p.m.-2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

This project will teach you the basics, such as sewing a pillowcase or shirt, learning different stitches or putting in a zipper. Learn to create and sew your own clothing and accessories while exploring the world of fashion and how to take the design of your choice and customize it for the perfect look, color and fit.

Rules

1. Read General Rules.
 2. All work exhibited must be the product of the current year's club work.
 3. Exhibitor must be enrolled in project in which exhibit is entered.
 4. A maximum of three exhibits per 4-H member may be entered in the clothing division. More than one exhibit may be entered in each class.
 5. Garments may have been worn before exhibited, but if so be carefully laundered or cleaned before being exhibited.
 6. Label:
 - A) Type or print on 3x2 ½" piece of cloth: Class, County, Name, Address and number of pieces in exhibit, ie 1 of 2, 2 of 2
 - B) Attach label on inside of garment with a safety pin or corner stitches (back of neck, center back of waistband, or left end of apron band). Label each piece.
 - C) No straight pins may be used to attach labels.
 7. Pre-cut kits are acceptable. All articles/garments must be finished for use.
 8. The exhibitor may attach an index card, no larger than 4"x6" with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.
 9. Educational Exhibit Classes - Share with others what you learned in the sewing and textile 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 10 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.
 10. 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" X 6") MUST accompany entry describing the recycled materials and how they were used in the item.
-
- 700 An article, garment, or outfit constructed by a 7-8 year old exhibitor
 - 701 Educational exhibit prepared by a 7-8 year old exhibitor (construction)
 - 702 An article, garment, or outfit constructed by a 9-11 year old exhibitor
 - 703 Educational exhibit prepared by a 9-11 year old exhibitor (construction)
 - 704 An article, garment or outfit constructed by a 12-14 year old exhibitor
 - 705 Educational exhibit prepared by a 12-14 year old exhibitor (construction)
 - 706 An article, garment or outfit constructed by a 15-18 year old exhibitor
 - 707 Educational exhibit prepared by a 15 to 18 year old exhibitor (construction)

708 Recycled Clothing Project

Exhibitors 12-18-year-old

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple and Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H SHOOTING SPORTS / WESTERN HERITAGE

Superintendent: Cheryl Conner & Becky Cain

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, starting at 1:00 p.m. at Designated Times (schedule is listed on the Frontier District's Website and posted in Celebration Hall)

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. A member may make only one entry in this division.
2. Exhibits in this division are open to educational displays or promotional posters. Follow copyright laws as explained in the General Rules. Take care to select durable materials to withstand Fair conditions.
3. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS AND KANSAS STATE FAIR MANAGEMENT POLICIES. No "live" ammunition containing propellant or explosive powders may be used in any display! An inert substitution must be used in lieu of powder and "live" ammunition. The substitution must be clearly described on the back of the poster, display or in a notebook. Please remember that the Franklin County Fair nor the 4-H Youth Development, Kansas State University Research and Extension are liable for the loss or damage of any personal property included as part of the display.
4. Name, county or district, age and year in project should be on the front of the poster or display.
5. Exhibits will not be accepted if they are related to reloads.
6. State Fair qualification - 4-H member must be 9 years of age or older and have received a purple ribbon on the exhibit.
7. A Champion and Reserve Champion will be selected for Shooting Sports.
8. Displays will be judged on the following points:

Stopping Power.....	15
Interest, Holding Power.....	15
4-H Project Application.....	15
Mechanical Power.....	5
Personal Growth.....	25
Educational Value.....	25
Total.....	100
9. Posters will be judged on the following points:

Stopping Power.....	30
Interest, Holding Power.....	30
4-H Project Application.....	25
Mechanical Power.....	15
TOTAL.....	100

THE EXHIBIT SIZE WILL BE STRICTLY ENFORCED. Exhibits exceeding the size guidelines will be penalized one ribbon color.

SHOOTING SPORTS

690 Educational: Must be directly related to the 4-H Shooting Sports Project (*must be standard tri-fold board ONLY, must not exceed standard tri-fold: 4' wide x 3' tall*).

691 Promotional Poster: Must promote 4-H Shooting Sports (*must be flat and no larger than 22" x 30"*).

692 Notebook: Contents pertain to some phase, results, story or information about 4-H Shooting Sports.

WESTERN HERITAGE

693 Educational: Must be directly related to the Western Heritage Project (*must be standard tri-fold board ONLY, must not exceed standard tri-fold: 4' wide x 3' tall*).

694 Promotional Poster: Must promote Western Heritage (*must be flat and no larger than 22" x 30"*).

695 Notebook: Contents pertain to some phase, results, story or information about Western Heritage.

Experiential Classes

696 Shooting Aid or Accessory - (SF253) - Any item the 4-Her makes which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is and used for.

697 Storage Case - (SF254) - Any item the 4-Her makes with the purpose to safely hold a firearm, bow, ammunition, and/or arrows. Examples: soft sided shotgun case, quivers, firearm safe, include your design, or plans you adapted. Explain how the storage case is used.

698 Practice Game or Activity - (SF255) - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials of 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

SHOPPING IN STYLE

Superintendents: Linda Normile, Emily Taylor

Judging Time (Pre-Fair): Monday, July 7; 10:00 a.m. - 11:30 a.m.; First Baptist Church

Entry Time (At Fair): Tuesday, July 15, 10:00 a.m. - Noon

Release Time: Saturday, July 19, 12:00 p.m.-2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

4-H members will learn what clothing styles look best on them while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping in Style should build on previous year's learning experience. Exhibit one of the following options that align with the 4-H member's Shopping in Style level.

Rules

1. Posters can be flat poster board or foam board, no larger than 22" x 28."
2. Tri-fold educational displays must be free standing and no larger than 36" x 48."
3. Photos of 4-H member in purchased outfit must demonstrate criteria as outlined on scoresheet. Consider multiple angles, good light and highlight details so that the judge may accurately evaluate the exhibit.
4. Exhibits should include actual photos of 4-H member in garments, and may also include pictures from magazines or the internet.
5. To be eligible for State Fair, exhibitors must do one of the displays and qualify at the local county level. Actual purchased outfits do not go beyond the local level, unless you have qualified for the State Fashion Revue.

Classes Exhibit one of the following options that align with the appropriate Shopping in Style level:

709 Intro to Shopping in Style: (age 7-8) Choose one of the following activities from Unit 1 of the curriculum project manuals. Exhibit should consist of poster that showcases:

- A. a garment you purchased that reflects your personal style and explains how this garment reflects your style and how it influences what others think of you; OR
- B. a garment you purchased and explains how your personal style either aligns or contradicts what is considered to be "in style" today. OR
- C. a garment you purchased and explains or illustrates how this garment is a modern version of a fad or fashion from an earlier decade.

710 Shopping in Style: Junior (age 9) Choose one of the following activities from Unit 1 or Unit 2 of the curriculum project manuals. Exhibit should consist of poster that showcases:

- A. a garment you purchased that reflects your personal style and explains how this garment reflects your style and how it influences what others think of you; OR
- B. a garment you purchased and explains how your personal style either aligns or contradicts what is considered to be "in style" today. OR
- C. a garment you purchased and explains or illustrates how this garment is a modern version of a fad or fashion from an earlier decade; OR
- D. a garment you purchased and explains how this garment reflects a different ethnic or cultural influence; OR E. a garment you purchased and includes a color discussion that provides an overview of how different colors complement different hair colors and skin tones and how that influenced garment selection.

711 Shopping in Style: Intermediate (age 10-13) Choose one of the following activities from Unit 3 or Unit 4 of the curriculum project manuals. Exhibit should consist of a display that showcases:

A. an outfit you purchased to wear with a clothing item that was already in your wardrobe that still fit but you didn't wear anymore. Explains why the clothing item was not being worn and what you did to transform it into a wearable garment again. OR

B. a top and bottom that you purchased, as well as at least three pieces of clothing in your existing wardrobe that you can mix and match with the new items to create multiple outfits. Includes a clothing inventory and explain what you have learned by completing this activity. OR

C. an outfit you purchased and explain why you selected the garment you did, your shopping budget, and cost per wear; OR

D. an outfit you purchased and explain how advertising influences clothing purchases making a distinction between wants and needs. Include your shopping budget and cost per wear. OR

E. an outfit you purchased along with a cost comparison between garments/accessories purchased vs. sewing/constructing the outfit. Comparison should include variety of shopping options and/or price tracking at stores over a period of time.

712 Shopping in Style: Senior (age 14-18) Choose one of the following activities from Unit 5 or Unit 6 of the curriculum project manuals. Exhibit should consist of a display that showcases:

A. an outfit you purchased and care requirements not only for this garment but also for garments made of other natural and synthetic fibers. Display should also include a care cost analysis for garments of different fibers; OR

B. an outfit you purchased which you have repaired or altered. Include a clothing inventory list which includes cost savings for repaired items as compared to purchasing replacement garments; OR

C. an outfit you purchased along with plans and commentary for a fashion show that that would capture the attention of an audience. Plans should identify target audience, venue, theme, budget, and logistical plan for the fashion show; OR

D. an outfit you purchased and explain 3 methods of clothing repair that you have learned, i.e. torn seam, torn hem, replacing a button, etc. Display should also include photos and list of your assembled clothing first aid kit. Include itemized expenses; OR

E. An outfit you purchased, and feature any other completed activity from the Shopping In Style curriculum of your choosing that isn't listed above.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

Veterinary Science
Superintendents: Laura Erwin

Entry: Tuesday, July 15, 10:00 a.m. – 12:00 p.m.

Conference Judging: Thursday, July 17, 1:00 p.m. at Celebration Hall at Designated Club Times

Entries will be kept and displayed in Celebration Hall during the Fair.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

The purpose of the 4-H Veterinary Science project is to provide a way for young people who care for animals and may want to follow a career in veterinary medicine to explore the topic. In this project, members will learn about animal health, behavior, and visit with veterinarians. 4-H member in the Veterinary Science project may develop an exhibit to demonstrate the knowledge and skills learned about a common health problem in animals, a veterinary science principle or public health/zoonotic diseases.

Rules

1. A Veterinary Science exhibit may consist of a poster, notebook or project display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
2. If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves and other appropriate veterinary medical practices.
3. First-Aid Kits: Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated print-outs or empty packaging of pharmaceuticals.
4. Veterinary Science Posters - This exhibit presents the viewer with a design that is simple and direct, unlike a display that usually presents more information. A poster should not exceed 22" x 30" and may be either vertical or horizontal.
5. Veterinary Science Displays - A display may include but is not limited to: a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a three ring binder or another bound notebook format.
6. Veterinary Science Notebooks: Individual entries are to be place for display in a three-ring notebook for competition. Notebooks may not be larger than 8 1/2' x 11'.
7. Neither the Kansas State Fair nor the department of 4-H Youth Development, KSRE are liable for the loss or damage of any personal property included as part of your poster, display or notebook.
8. Name, county/district, age and year in project should be on the front of the poster, display or notebook.
9. Appropriate topics include: Maintaining Health Specific disease information Photographic display of normal and abnormal characteristics Animal health or safety Public health or safety Proper animal management to ensure food safety and quality Efficient and safe livestock working facilities A topic of the exhibitor's choosing related to veterinary medicine or veterinary science.
10. Because these are science displays, all references and information must be properly cited. Proper sources include but are not limited to: Professional journals and publications, professional AVMA accredited websites,

interviews with veterinarians and excerpts from Veterinary Educational Literature. Plagiarism will result in a disqualification. Please study your topic and present the information to your audience in your own words.

Eligibility: 4-H members wishing to exhibit must be enrolled in the Veterinary Science project and receive a qualifying ribbon rating at their local county fair.

Quota: 4-H members may exhibit a maximum of one exhibit in this division.

Classes

- 721 - 4-H Veterinary Science Poster
- 722 - 4-H Veterinary Science Notebook
- 723 - 4-H Veterinary Science Display

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H VISUAL ARTS

Superintendents: Linda Normile, Emily Taylor, Alicia Taylor, Jennider McMahan

Entry & Conference Judging: Monday, July 14, 1:30 p.m. – 4:00 p.m. at Celebration Hall at Designated Club Times. Entries will be kept and displayed during the Fair.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

State Fair Qualification – The 4-H member must be 9 years old or older to exhibit at the State Fair. Visual Arts is a noncompetitive division at the State Fair. Each county may submit one entry from each of the five categories (Fine Arts, Clay and Ceramics, Leather and Jewelry, Three-Dimensional, and General Crafts). Exhibits designated for the State Fair will be chosen by the judge and will be marked as eligible exhibits.

1. Visual Arts is a conference style judging opportunity. Conference judging is optional; however, the project must be judged on this day in order to be considered for the 4-H Division of the Fair.
2. 4-H members can exhibit up to 8 items with a limit of 2 per class.
3. Articles exhibited must be an original design created by the exhibitor.
4. Exhibits made from craft kits are not acceptable. Entries are to be creative and original.
Exception: Stitchery may be made from kits.
5. An evaluation sheet must be attached to the exhibit if you cannot stay for conference judging.
6. There will be three divisions for Crafts: Juniors - Age 7-9, Intermediates – Age 10-13, Seniors – Age 14-18. No age division will be judged against another except in picking the overall champion.
7. All exhibits which need to be hung MUST have wire or saw tooth hanger attached (no string or tape) in order to be properly displayed.
8. No glass on frames.
9. Multi-piece items should be marked accordingly.
10. 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.
11. No plants or plant materials needing watering can be entered as an art display or item.
12. Large art items will not be accepted. Exhibits must be of manageable size and be easily transported and displayed by one person.
13. All exhibits are entered at your own risk
14. Explanation of the term “kit” – Any art project that comes pre-packaged or boxed as a “kit” is not an allowable project. While utilizing kits can help build skills, the work needs to be original to the 4-H member. Examples include paint by number, diamond art kits, string art, etc. Exception: Leather project kits, due to the nature of pre-cut leather, are allowed.
15. A Champion and Reserve Champion will be selected for Visual Arts.

739 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 the frame has a hanger.

740 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.

741 Leather and Jewelry

Any leather stamping, carving, tooling, lacing, or stitching piece or any jewelry piece made from any medium are acceptable exhibits.

742 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.

743 General Crafts

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

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H WILDLIFE
Superintendent: Emily Taylor

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, at 1:00 p.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. A MEMBER MAY MAKE ONLY ONE ENTRY IN THIS DIVISION.
2. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS. It is illegal to possess threatened/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 wild animals in educational exhibits is prohibited.
3. The Franklin County Fair and the 4-H Youth Development are not responsible for damage during the exhibition period.
4. Name, county or district, age and year in project should be in a prominent location on the exhibit.
5. Notebooks and Displays will be judged on the following points:

Stopping Power.....	10
Is the main idea specific? Is the idea presented clearly, simply, forcefully?	
Interest, Holding Power.....	15
Does the exhibit give the observer additional facts in a clear, concise, informative way?	
4-H Project Application.....	15
Is the subject matter an effective showcase?	
Mechanical Power.....	10
Correct letter size, pleasing color combination, appropriate symbols, and models	
Personal Growth.....	25
How much knowledge was gained by exhibitor? Was enthusiasm shown?	
Educational Value.....	25
Knowledge shared. Note: Credit all citations, web sites or other resources used in creating your exhibit	
6. Posters will be judged on the following points:

General Appearance.....	30
Information.....	50
Organization.....	20
7. A Champion and Reserve Champion will be chosen for Wildlife.
8. Exhibits in this division are open to educational displays, promotional posters, or experiential displays. Exhibits should reflect learning in the project area. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials to withstand State Fair conditions.
9. Wildlife exhibits that reflect harvesting of wildlife must follow National Minimum Standards and Best Practices <https://4-hshootingsports.org/wp-content/uploads/2024/01/12.13.23-Minimum-Standards-Update.pdf> and Kansas 4-H Shooting Sports Handbook https://bookstore.ksre.ksu.edu/pubs/kansas-4-h-shooting-sports-handbook_4H1101.pdf and Kansas Fish and Game laws. Exhibits outside these standards will be disqualified.
10. The exhibit size rule will be strictly enforced. Exhibits exceeding the size guidelines will be disqualified. Maximum exhibit size for all exhibits in this division is 4'X6'. Larger exhibits will be turned away.
11. Educational Display: must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3'x4' unless there is a topper that sits on top of the board and does not take up additional table space; no

additional table space available for promotional brochures or display items; content not to exceed display board borders.

12. Posters: must be flat and no larger than 22"x30"; content not to exceed display board borders. Exhibits may be displayed on wall.
13. Notebooks: no larger than 8 ½" x 11".
14. Exhibits must not display, describe, or depict firearms or firearm components that are not allowed by 4-H Shooting Sports National Minimum Standards.
15. Exhibitors must comply with state and federal laws and Kansas State Fair Management.
16. No "live" ammunition containing propellant or explosive powders may be used in any display. An inert substitution must be used in lieu of powder and "live" ammunition, the substitution must be clearly described on the back of the poster, display or in a notebook.

750 Notebook – Contents pertain to some phase, results, story or information about the wildlife projects

751 Promotional Poster – Must be related to something learned in the wildlife project (flat poster board or foam board no larger than 22" x 28")

752 Educational Display – Must be directly related to the wildlife project. Maximum tri-fold size is 3' x 4'

753 Taxidermy/Tanning Exhibit – Should include an attachment that shows the work in progress through photos with captions or a detailed journaling of the process.

754 Fish Harvesting Equipment - (SF168) - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, when or where each item is used.

755 Build a Fishing Rod - (SF169) - A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board. Include with the exhibit: Explanation of cost of materials/components and how many number of hours required for construction. Label all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts, information, and neatness.

756 Casting Target - (SF170) - Make a casting target for exhibit and use. Target must be under 48" x 48". The bullseyes must be 2 feet, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target.

757 Wildlife Harvesting Equipment - (SF171) - Board Exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used and personal experiences with the item.

758 Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory - (SF168) - Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype, and any adjustments you made.

759 Tanned Hides - (SF172) - Exhibit of a wild animal hide properly processed by the member. If not mounted, must be in a clear clothing bag with hanger. all field experiences, study, OR observations that relate to the exhibit.

760 Taxidermy - (SF172) - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting. Include the animal's name and the following: information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

761 Wildlife Tracks - (SF158) - Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. –

Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) –

Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR)

Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

762 Wildlife Knowledge Check - (SF159) - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches.

763 - Houses - (SF165) - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size etc. are appropriate to fit the intended species' needs. Include the following information:

- 1) the kinds of animal(s) for which the house is intended,
- 2) where and how the house should be located for best use,
- 3) any seasonal maintenance needed, and
- 4) any evidence of your personal observations from experiences.

764 Feeders/Waterers - (SF166) - Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Include the following information:

- 1) the kinds of animal(s) for which the water/feeder is intended,
- 2) where are how the water/feeder should be located for best use,
- 3) any seasonal maintenance needed, and
- 4) any evidence of your personal observations or experiences.

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: 4-H WOODWORKING

Superintendent: Traci Pearce

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

Conference Judging

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.
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. Extra pieces that go with your woodworking project (i.e. bean bags to go with a cornhole set, building blocks to go with a play table, etc) SHOULD NOT be submitted with the project.
6. The entry card, plans and all other paperwork should be enclosed in a zip top plastic bag with a hole punched through it and tied or otherwise secured to the project in some manner. Tape is usually not adequate to accomplish this.
7. Refinished/repaired furniture should be exhibited in Home Environment.
8. Projects made from pre-cut kits are not allowed.
9. 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. Firearms and weapons are not to be entered or displayed.
10. Projects with “fractal burning” are NOT ALLOWED in any Kansas State Fair Exhibits in the 4-H Youth Development Department. (Example – electrical burning to make black linework on artwork.) This is in agreement with The American Association of Woodturners (AAW).
11. A Champion and Reserve Champion will be chosen for Woodworking.

775 Hand tools only (for beginners)

776 Article for farm or shop use

777 Furniture for the household or lawn use

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

779 Any article made from a kit (for County competition only)

Ribbon Awards: Champion, Reserve Champion, Purple, Blue, Red and White

Premium Awards: Purple and Blue \$3.00 Red \$2.00 White \$1.00

FFA Static Department

Conference Judging Pre-Registration Form Due: Monday, June 16 [Click Here](#)

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Conference Judging Time: Thursday, July 17, at 9:00 a.m. at designated times

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

1. Supervised Agricultural Experience (SAE) - An Exhibit displaying the FFA members Supervised Agricultural Experience.

Award Areas

1. Ownership/Entrepreneurship
2. Placement
3. Research
4. School Based
5. Service Learning Experience

II. Animal Systems

A. Animal Science- An exhibit (other than the animal itself) that shows learning about a large or small animal including beef, dairy cattle, dairy goats, dogs, horse & pony, meat goats, pets, poultry, rabbits, sheep and swine. Ownership of an animal is not required

B. Veterinary Science - An exhibit that shows learning about keeping animals healthy, animal diseases, animal/human health interaction, or other learning related to Veterinary Science.

III. Agriculture and Natural Resources

A. Crop Production and Plant Science- An exhibit that shows learning about the growth, use, and value of field crops, plant growth, soils and soil fertility, or any other learning related to Crop Production and Plant Science

B. Entomology –An exhibit (excluding live specimens) that shows learning or is an outgrowth of an entomology or bee project experience. Includes specimen collections and may include products (ex: honey) or equipment as part of the display.

C. Forestry – Any exhibit, including collections that show learning from participation in a forestry project or program.

D. Horticulture and Plant Science - An exhibit that shows learning about the growth, use, and value of plants, soils, small fruit production, vegetable and flower gardens, plant nutrition, careers, etc.

E. Nursery/Landscape– An exhibit that shows learning about landscape plans, selection of landscape plants, ornamental garden features, home yard improvement, careers, etc.

F. Other Agriculture and Natural Resources - An exhibit that shows learning about agriculture or natural resources and does not fit in any of the classes listed above. (Biotechnology, Oil, Ethanol, Environmental, etc)

IV. Power, Structural and Technical Systems

A. Mechanical- An exhibit showcasing skills or learning about general mechanics or engineering solutions or that involve a combination of skills. (Examples include; engine overhaul, rebuilds, restoration, careers, etc)

B. Structural- An exhibit showcasing skills or learning about building a structure. (ie a barn, house, storage sheds, careers, etc)

C. Ag Technology- An exhibit showcasing skills or learning about technology related to agriculture. (Examples include; GPS Systems, guidance systems, drone technology, computer software, etc)

D. Welding/Fabrication Projects- Constructed item or educational display that shows skills or learning about welding.

DIVISION: OPEN CLASS AGRICULTURE
Superintendent: Janet Paddock & Rosemary Pratt

Entry Deadline: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Tuesday, July 15, after 4-H Floriculture, Crops and Garden at 1:30 p.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. All products displayed must have been produced in this year. Exception – soybean seed
3. Only one exhibit may compete for a prize from a single farming unit. Exception – 4-H members may make entries in competition against their parents, if duly enrolled in the project.
4. Corn and sorghum exhibits should be past the dough stage.
5. The right is reserved to plug melons.
6. **Use a sturdy plate, bowl or container that will support the weight of the produce. Plates, bowls and/or containers will NOT be provided.**
7. **Crops placed in a one-gallon jar must have a secure lid on the jar.**
8. A Champion and Reserve Champion will be selected in Fruits & Vegetables, as well as Farm Crops.

FRUITS & VEGETABLES

- 780 Plate of 5 Standard Tomatoes
- 781 Plate of 5 Cherry or Ornamental Tomatoes
- 782 Plate of 5 Green Onions
- 783 Plate of 5 Onions, any other variety
- 784 Plate of 5 Table Beets
- 785 Plate of 5 Carrots
- 786 Plate of 5 Bell Peppers
- 787 Plate of 5 Other Peppers
- 788 Plate of 5 Turnips
- 789 Plate of 5 Kohlrabi
- 790 Plate of 5 Cucumbers
- 791 Plate of 5 Eggplant
- 792 Plate of 12 Okra
- 793 Plate of 12 Snap Green Beans
- 794 Plate of 12 Yellow Wax Beans
- 795 Plate of 12 Lima Beans
- 796 Plate of 5 Red Potatoes
- 797 Plate of 5 White Potatoes
- 798 Plate of 5 Sweet Potatoes
- 799 1 Watermelon
- 800 1 Cantaloupe
- 801 1 Pumpkin
- 802 Plate of 3 Ornamental Pumpkins or Gourds
- 803 1 Summer Squash
- 804 1 Winter Squash
- 805 1 Head Cabbage
- 806 1 Head Cauliflower

- 807 5 Ears Sweet Corn
- 808 1 Display of 3 Varieties of Herbs
- 809 Plate of 5 Delicious Apples
- 810 Plate of 5 Jonathan Apples
- 811 Plate of 5 Apples, any other variety
- 812 Plate of 5 Peaches
- 813 Plate of 5 Pears
- 814 Plate of 5 Plums
- 815 Plate of 5 Bunches of Grapes
- 816 Miscellaneous

FARM CROPS

- 817 Wheat, 1 gallon
- 818 Oats, 1 gallon
- 819 Soybeans, 1 gallon (variety must be named)
- 820 Brome Grass Seed, 1 gallon
- 821 Other Tame Grass Seed, 1 gallon
- 822 Brome Hay, 6" slice
- 823 Alfalfa Hay, 6" slice
- 824 Yellow Corn, 10 ears
- 825 White Corn, 10 ears
- 826 Popcorn, 10 ears
- 827 Forage Corn, 5 stalks – whole plant, no roots
- 828 Hybrid Forage Sorghum, 5 stalks – whole plant, no roots – Hybrid must be named
- 829 Other Forage Sorghum, 5 stalks – whole plant, no roots – Variety must be named
- 830 Soybeans, 5 stalks – Variety must be named
- 831 Grain Sorghum, 10 head

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: OPEN CLASS CLOTHING AND TEXTILES

Superintendent: Merry Dee Hornbuckle

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Wednesday, July 16, 9:00 a.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All articles entered in the Clothing and Textiles Division must be strictly home products.
4. Exhibitors are limited to one entry per class.
5. All articles entered in the Clothing and Textiles Division which requires hangers should be entered on hangers and covered with plastic (garment bags). Use safety pins to attach garments to hangers.
6. All products exhibited must be made by the exhibitor after July 1, 2025.
Exception: Oldest Quilt Class
7. All knitted and crocheted articles must be handmade.
Exception: Classes which are designated machine knitted
8. After winning a blue ribbon one year, that article cannot be entered the next year.
9. Quilts can be hand or machine quilted.
10. A Champion and Reserve Champion exhibit will be selected in Quilts and Quilting, Handwork, Knitting and Crocheting, and Clothing.

QUILTS AND QUILTING

- 840** Best oldest quilt, constructed and quilted (state year made)
- 841** Quilt, pieced/patchwork
- 842** Quilt, appliqued (includes Celtic stained glass, Hawaiian, etc.)
- 843** Quilt, embroidered (includes cross-stitch)
- 844** Quilt, child's crib (smaller than 45" x 60" and larger than 36" x 36")
- 845** Quilt, other than listed (ex. Sashiko, painted, combination of techniques)
- 846** Quilt, for quilting only, machine quilted
- 847** Quilt, for quilting only, hand quilted
- 848** Quilted wall hanging (less than 36" x 36"), can be in or out of hoop
- 849** Quilted wall hanging (larger than 36" x 36"), can be in or out of hoop
- 850** Mini-quilts (less than or equal to 30" x 30")
- 851** Quilted pillows (includes Quillows)
- 852** Friendship quilts (made by more than one person)

Quilts and Quilting Awards

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

HANDWORK

- 853** Embroidery
- 854** Cross-Stitch
- 855** Needlepoint
- 856** Candle wicking
- 857** Crewel
- 858** Lacework
- 859** Applique
- 860** Tea towels, one of a set
- 861** Potholder
- 862** Any handwork not listed

KNITTING AND CROCHETING

- 863** Crocheted Lace Tablecloth
- 864** Crocheted Sweater
- 865** Crocheted Baby or Infant Set
- 866** Small Crocheted Article Not Listed
- 867** Crocheted Pillow
- 868** Crocheted Bedspread
- 869** Large Crocheted Article Not Listed
- 870** Pillowcase (with knitted or crocheted edges)
- 871** Knitted Baby or Infant Set
- 872** Knitted Blouse or Sweater
- 873** Knitted Pillow
- 874** Knitted Bedspread
- 875** Other Small Knitted Piece Not Listed
- 876** Other Large Knitted Article Not Listed

Handwork, Knitting and Crocheting Awards

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

CLOTHING

- 877** Accessories (purses, scarves, ties, hat, etc.)
- 878** Children's Clothing

Clothing (Accessories & Children's Clothing) Awards

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

879 Adult's Clothing

Clothing (Adult Clothing) Awards

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

FAIRBOARD PRESIDENT'S PIE CONTEST

Sponsored by Fairboard

Entry Time: Saturday, July 19, 11:00 – 11:30 a.m., Celebration Hall

Judging Time: Saturday, July 19, 11:30 a.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Pies may be any type crust (closed crust, lattice or crumb). Pies that require refrigeration will not be accepted. Pies should be 9 inches in diameter and in a foil (disposable) pan. Crust must be made from scratch.
2. Pie must be made with fresh fruit. Canned pie filling will not be accepted. Exhibitor must provide recipe.
3. Cover with clear plastic or enclosed in a clear plastic, food grade bag.
4. All pies will be sold at the Market Animal Sale on Saturday. Proceeds will go to the Franklin County Agricultural Society to be used to support fair activities and exhibits.

885 Pie Contest

DIVISION: OPEN CLASS FINE ARTS

Superintendent: Nancy Machnicki

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Wednesday, July 16, 9:00 a.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All entries must be the handiwork of the exhibitor, made since July 31, 2023 (two-year time limit).
4. Exhibitors are limited to one entry per class.
5. A Champion and Reserve Champion exhibit will be selected in Fine Arts in both the Adult and Junior Divisions. **These awards are not based on the number of blue ribbons received.**
6. **Exhibitor must secure entry tag to the exhibit.**

ADULT DIVISION (age 17 and older)

890 Acrylic and Oil Painting

891 Watercolor, Tempera, etc.

892 Painting, Mixed Medium

893 Tole Painting or Decorative Painting

894 Charcoal or Pastel

895 Drawing and Design

896 China Painting

897 Sculpture

898 Ceramics, glazed

899 Ceramics, stained

900 Ceramics, soft sculpture

901 Pottery

902 Plasterware

903 Plastic Canvas

904 Cloth Soft Sculpture

905 Latch-Hook

906 Jewelry

907 Holiday or Seasonal Craft

908 Wood Carving

909 Metal Craft

910 Crafts made from kits

911 Dolls, cloth

912 Dolls, porcelain or china

913 Dolls, other

914 Leather Craft

915 Woodworking (small item)

916 Woodworking (large item)

917 Craft Not Listed

JUNIOR DIVISION (age 16 and under)

- 918** Acrylic and Oil Painting
- 919** Watercolor, Tempera, etc.
- 920** Tole Painting or Decorative Painting
- 921** Drawing and Design
- 922** Crayon Drawing
- 923** Sculpture
- 924** Ceramics, glazed
- 925** Ceramics, stained
- 926** Ceramics, soft sculpture
- 927** Pottery
- 928** Plasterware
- 929** Cloth Soft Sculpture
- 930** Latch-Hook
- 931** Wood Carving
- 932** Metal Craft
- 933** Jewelry
- 934** Leather Craft
- 935** Woodworking (small item)
- 936** Woodworking (large item)
- 937** Craft Not Listed

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: OPEN CLASS FLORICULTURE Superintendent:

Janet Paddock & Rosemary Pratt

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Tuesday, July 15, following 4-H Floriculture, Crops & Garden at 1:30 p.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. Each exhibitor must furnish their own containers.
4. Arrangements or designs must be done by exhibitor.
5. All flowers must be grown by the exhibitor.
6. A first (blue ribbon), second (red ribbon) and third (white ribbon) placing will be given in each class. A Champion and Reserve Champion will be selected in specimen and arrangements in the adult and junior division. These awards are not based on the number of blue ribbons received.
7. Exhibitors use clear containers for specimens.

ADULT DIVISION SPECIMEN (ages 16+)

- 940 Cosmos – 3 blooms
- 941 Cockscomb (crested) – 1 stem
- 942 Cockscomb (plumes) – 3 stems
- 943 Dahlia (large) – 1 bloom
- 944 Dahlia (pompon) – 3 blooms
- 945 Daisy – 3 stems
- 946 Day Lily (single) – 1 scape
- 947 Day Lily (miniature) – 1 scape
- 948 Day Lily (double) – 1 scape
- 949 Tiger Lily – 1 stalk
- 950 Gladiolus – 1 stalk
- 951 Lily – 1 stem
- 952 Marigold (large) – 3 blooms
- 953 Marigold (intermediate) – 3 blooms
- 954 Marigold (small) – 3 blooms
- 955 Petunias (double) – 3 blooms
- 956 Petunias (plain) – 3 blooms
- 957 Petunias (ruffled) – 3 blooms
- 958 Phlox – 1 stem
- 959 Snapdragons – 3 stems
- 960 Rose (floribunda) – 1 stem
- 961 Rose (grandiflora) – 1 stem
- 962 Rose (miniature) – 1 stem
- 963 Rose (tea) – 1 stem
- 964 Rose (any other type) – 1 stem
- 965 Zinnias (small) – 3 blooms

- 966 Zinnias (intermediate) – 3 blooms
- 967 Zinnias (large) – 3 blooms
- 968 Cone Flower – 3 stems
- 969 Geranium – 3 stems
- 970 Hydrangea – 3 stems
- 971 Vinca – 3 stems
- 972 Other Annual not listed
- 973 Other Perennial not listed
- 974 Houseplant

ADULT DIVISION ARRANGEMENTS

1. An exhibitor may enter up to 4 floral exhibits.
2. All floral materials must be grown and/or collected by the exhibitor, rather than purchased. Entries should not take over one square foot of table space.
3. Potted plants are not accepted.

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

976 Dried Flower Arrangement – No fabric or plastic material allowed

JUNIOR DIVISION SPECIMEN (ages 5-16)

977 Best Sunflower bloom (not wild)

978 Rose

979 Daisy – 3 stems

980 Petunia – 3 stems

981 Zinnias, large – 3 blooms

982 Zinnias, intermediate – 3 blooms

983 Zinnias, small – 3 blooms

984 Marigolds, large – 3 blooms

985 Marigolds, small – 3 blooms

986 Other, not listed

JUNIOR DIVISION ARRANGEMENTS

1. An exhibitor may enter up to 4 floral exhibits.
2. All floral materials must be grown and/or collected by the exhibitor, rather than purchased. Entries should not take over one square foot of table space.
3. Potted plants are not accepted.

987 Fresh Flower Arrangements – Flower materials must be grown and/or collected by exhibitor, not purchased

988 Dried Flower Arrangements – No fabric or plastic material allowed

Ribbon Awards Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: OPEN CLASS FOODS AND FOOD

PRESERVATION Superintendent: Merrita Combs

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Tuesday, July 15, 1:00 p.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All entries must be removed from the pan with the exception of a fruit pie. Each entry must be placed on paper plate and in a clear plastic food grade bag. Entries too large to place on a paper plate must be placed on a piece of cardboard (covered with foil) and covered with plastic wrap. Only the exhibit is judged. The container is not judged.
4. Entries must be made from scratch. No mixes are allowed in any products.
5. Alcohol (ex: wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not judged.
6. Exhibitors are limited to one entry per class.
7. 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 make informed, safe food exhibit decisions.
8. 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.
9. Under-baked entries will be lowered one or more ribbon placings.
10. Recipes and processing methods from the sources below are recommended. Recipes must be from 1995-Present 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, oven canning, sun canning and using electric multi-cookers. For more information on electric multi-cookers. Untested recipes will be disqualified for food safety reasons. Tested recipe resources include:
 - K-State Research and Extension Food Preservation publications
 - Other University Extension Food Preservation publications
 - USDA Complete Guide to Home Canning
 - So Easy to Preserve, 6th Edition, The University of Georgia Cooperative Extension Service
 - Ball Blue Book Guide to Preserving
 - Ball Complete Book of Home Preserving
 - All New Ball Book of Canning and Preserving
 - Canning mixes (i.e. Mrs. Wage’s, Ball)
 - Pectic manufacturers (i.e. SureJell, Ball)
 - <http://www.rrc.k-state.edu/preservation/recipes.html>

Refer to following K-State Research and Extension publication for more information:

4H712 Food Safety Recommendations for Food Preservation Exhibits

<http://www.ksre.ksu.edu/bookstore/pubs/4H712.pdf>

MF3170 10 Tips for Safe Home-Canned Food <http://www.ksre.ksu.edu/bookstore/pubs/MF3170.pdf>

MF3171 Sassy Safe Salsa at Home <http://www.ksre.ksu.edu/bookstore/pubs/MF3171.pdf>

MF3172 What's Your Elevation? <http://www.ksre.ksu.edu/bookstore/pubs/MF3172.pdf>

MF3241 How to Guide to Water Bath Canning and Steam Canning

<http://www.bookstore.ksre.ksu.edu/pubs/MF3241.pdf>

MF3242 How to Guide to Pressure Canning

<http://www.bookstore.ksre.ksu.edu/pubs/MF3242.pdf>

Homemade recipes or other untested recipes will be disqualified for safety reasons.

11. Exhibits must be sealed in a 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 and 24-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.
12. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be lowered one ribbon placing. Recipe must include exhibitor name, recipe source, date of publication and altitude of residence where food was processed. If using Mrs. Wage's or Ball mixes, indicate the date the mix was purchased.
13. Each jar exhibited must be labeled. The label must not cover the brand name of jar. Label may be made using an adhesive mailing label. The label must not cover brand name of jar. The label must list Class Number, Product, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), Date (month and year) Processed and Name. Templates to make adhesive labels can be found at: <http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/index.html>.
14. A Champion and Reserve Champion exhibit will be selected in Foods and Food Preservation in both the Adult and Junior Divisions. These awards are not based on the number of blue ribbons received.

ADULT DIVISIONS

QUICK BREAD

990 Nut or Fruit Bread

991 Muffins

992 Other Quick Breads

YEAST ROLLS/BREADS

993 White Bread or Rolls

994 Whole Wheat Bread or Rolls

995 Specialty Bread (breads not listed above)

996 Cinnamon Rolls or Other Sweet Rolls

CAKES

- 997 Angel Food, no icing
- 998 Chiffon, no icing
- 999 Sponge, no icing
- 1000 Other Cake, not listed
- 1001 Any Layer Cake

COOKIES

- 1002 Bar
- 1003 Refrigerated, pressed or rolled
- 1004 Drop

PIES

- 1005 Any Fruit Pie

JUNIOR DIVISION (16 and under)

- 1006 Snack Mix
- 1007 Any Cookie (bar, drop or no-bake)
- 1008 Any Muffin
- 1009 Any Biscuit
- 1010 Any Layer Cake
- 1011 Any Yeast Bread or Roll
- 1012 Any Quick Bread
- 1013 Any Pie

FOOD PRESERVATION

ADULT DIVISION

- 1014 Sweet Spreads (Fruit and/or Vegetables), Syrups – 1 jar
- 1015 Fruits, Juices, Fruit Mixtures (Salsa, Pie Filling, etc.) – 1 jar
- 1016 Low Acid Vegetable (green beans, corn, etc. or vegetable mixtures) – 1 jar
- 1017 Pickles (Fruit or Vegetables) Fermented Foods and Relishes and Chutney – 1 jar
- 1018 Tomato/Tomato Products Tomato Juice and Tomato Salsa – 1 jar
- 1019 Meats – 1 jar
- 1020 Dried Foods: If dried food product is not in a canning jar, it will be lowered one 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" at: <https://www.bookstore.ksre.ksu.edu/pubs/MF3173.pdf>

JUNIOR DIVISION (age 16 and under)

- 1021 Sweet Spreads (Fruit and/or Vegetables), Syrups – 1 jar
- 1022 Fruits, Juices, Fruit Mixtures (Salsa, Pie Fillings, etc.) – 1 jar
- 1023 Low Acid Vegetable (green beans, corn, etc. or vegetable mixtures) – 1 jar
- 1024 Pickles (Fruit or Vegetable) Fermented Foods and Relishes and Chutney – 1 jar
- 1025 Tomato/Tomato Products, Tomato Juice and Tomato Salsas – 1 jar
- 1026 Canned Meat; one jar
- 1027 Dried Foods; one small jar

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00

DIVISION: OPEN CLASS PHOTOGRAPHY

Superintendent: Tracy Pierce

Entry Time: Tuesday, July 15, 10:00 a.m. – Noon

Judging Time: Wednesday, July 16, 10:00 a.m.

Release Time: Saturday, July 19, 12:00 p.m. – 2:30 p.m.

Special Awards: Coordinated by Franklin County Fair Board

All photos are required to be in a photo bag for judging and displaying. Photo bags and mat boards are available to purchase at the Extension Office.

1. Exhibitors are limited to one entry per class.
2. To prevent dust and moisture, place mounted photo in a protective plastic bag. Mat boards and protective plastic bags can be purchased at the Extension Office.
3. Entries must not have been produced prior to last year's county fair.
4. All photos must be no larger than 8" x 10" and no smaller than 7" x 9" after trimming.
5. Photos are to be mounted across the narrow (11") dimension of an 11" x 12 ½" sheet of white or cream studio mat board. Do NOT use foam core board or poster board. Photos mounted on poster board or foam core board will not be displayed.
6. Photos must be mounted with the top edge of the print 1" below the top of the mount. The sides of the print must be equal distance from the two sides of the mount.
7. Improperly mounted photos, oversized or undersized photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded one ribbon placing lower than determined by the official judge.
8. 4-H members may exhibit in open class; however, entries must be different prints than those exhibited in 4-H Division.
9. No lettering, including dates, is permitted on the front of the mount or on the phot. No underlay or borders are to be used.
10. Exhibitor's name should not be visible on the front of the exhibit. On the back of the mount, write: exhibitor's name, address, photo class and the location where the photo was taken.
11. 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.
12. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
13. Entries not complying with class rules will be dropped a ribbon placing.
14. An Overall Champion and Reserve Champion Photo will be selected in both the Adult and Junior Division.

ADULT DIVISION

- 1030** Portrait
- 1031** Human Interest (something of interest to a human)
- 1032** Animal(s)
- 1033** Nature
- 1034** Landscape or Scenery
- 1035** Horticulture (plants, flowers, etc.)
- 1036** Action
- 1037** Special Effects (on the back of the mount explain what manipulation was done)
- 1038** Black and White
- 1039** Natural Light (best use of natural light)
- 1040** Digital Imaging Print (entry must include original(s) and digital enhancement steps on the back of the mount)
- 1041** Franklin County Photo – on the back of the mount write the exact location (address) where the photo was taken

JUNIOR DIVISION –AGE 16 AND UNDER

- 1042** Portrait
- 1043** Human Interest (something of interest to a human)
- 1044** Animal(s)
- 1045** Nature
- 1046** Landscape or Scenery
- 1047** Horticulture (plants, flowers, etc.)
- 1048** Action
- 1049** Special Effects (on the back of the mount explain what manipulation was done)
- 1050** Black and White
- 1051** Natural Light (best use of natural light)
- 1052** Picture or sequence story – consists of 3 or 5 enlargements or snapshots
- 1053** Composite – 3 or 5 pictures using at least 3 of the above categories (classes)
- 1054** Digital Imaging Print (entry must include original(s) and digital enhancement steps on the back of the mount)
- 1055** Franklin County Photo – on the back of the mount write the exact location (address) where the photo was taken
- 1056 Best Conservation Photo** – Best Conservation Photo – subject must be "conservation" examples include cover crops, waterways, terraces, pollinators, pest management, wildlife habitat, water quality and soil health in Franklin County. Photo must be surrendered to Franklin County Conservation District before August 1 to receive cash prize.

Ribbon Awards: Champion, Reserve Champion, Blue, Red and White

Premium Awards: Purple or Blue \$3.00 Red \$2.00 White \$1.00