

2023 Edwards County 4-H Fair Book

*****ATTENTION! Please Read Closely*****

The following rules apply to ALL 4-H Project Entries!

4-H General Regulations

1. The right to interpret rules in the best interest of 4-H work is reserved for the Extension Executive Board, whose decision shall be final.
2. Classes will be divided into three age groups. 4-H age will be determined by the age of the 4-H'er on January 1 of the current year. The age groups shall be: Jr. – 4-H members 7-9 years of age; Intermediate – 4-H members 10-13 years of age; Senior – 4-H members 14-18 years of age.
3. All exhibits must be the handiwork of the exhibitor and the results of the current club year's work unless otherwise stated within the specific project.
4. 4-H members may display exhibits only in classes pertaining to the projects in which they are currently enrolled.
5. All classes may have unlimited entries per class unless the Division rules state otherwise.
6. All 4-H livestock entries are to be pre-entered with the Extension Office by the date set by the Extension Office. Pens and stalls will be designated.
7. See General Health Requirements Section. **All animals will be inspected in the trailer BEFORE unloading at the Fair.**
8. 4-H'ERS MAY NOT EXHIBIT MORE THAN TWO ANIMALS IN ANY ONE CLASS except Dog and Horse (only 1 animal per class).
9. A separate entry tag must be attached to each exhibit upon entry, other than livestock. No premiums will be paid without an entry tag. Entry tags are available from your 4-H community club leader or at the Extension Office.
10. All exhibits must be in place according to the Edwards County Fair schedule. Exhibits not entered and in place according to the schedule will not be ribbon rated or paid premium money.
11. All 4-H exhibits will be judged consultatively with 4-H members present. Parental assistance during this process is not allowed.
12. Placing possibilities in each class are: Purple, Blue, Red, and White based on quality of work and the decision of the judge. Only ONE Grand Champion and ONE Reserve Grand Champion will be awarded per Division at the discretion of the judge if quality merits, unless stated otherwise.
13. Animals, articles, or products not listed in the premium book will be ineligible to compete for prizes.
14. Superintendents will have full charge of their division. Superintendents will enforce rules of the Division. Failure to follow the rules and regulations could result in disqualifications. Any complaints should be taken to the superintendents. The Edwards County Fair Board and Extension Agents will take final action on complaints. Remember: when exhibiting, you are asking for the judge's opinion. The judge has the final decision. Anyone (parent, grandparent, sibling, etc.) who verbally harasses the judge will cause the 4-H'er to lose all premiums and awards prior to this act. The 4-H'er will be disqualified from the remaining show. There will be no exception to this rule.
15. All exhibits will be released by respective superintendents according to the Fair schedule.
16. Exhibits that qualify for entry at the Kansas State Fair will be designated by a purple ribbon placing. EXCEPTION: Visual Arts, Fine Arts, Beef, Goats, Swine, Sheep and Horses. Those guidelines are set by the State 4-H Office.
17. 4-H'ers must be 9 – 18 years of age by Jan 1st of the current year to be eligible to participate at the Kansas State Fair.
18. No special prizes will be solicited or awarded in any division unless authorized by the Edwards County Fair Board.
19. Any unnecessary horseplay on the Fairgrounds will result in the forfeiture of all premium money.
20. All exhibits will be under the care and control of the Edwards County Fair Association. While due care and caution will be exercised for their safekeeping, neither the Association, its officers, directors, agents or employees will be responsible for loss, theft, or damage of personal property on the Fairgrounds.

21. The Edwards County Fair Board reserves the right to remove from the fairgrounds any exhibit, animal, concession, or show that may be falsely entered, or which in any manner may be deemed objectionable, or if in the opinion of the superintendent, the animal is not receiving proper care.
22. No live ammunition will be allowed to be displayed.
23. The Edwards County Fair Board reserves the sole and absolute right to construct its own rules and regulations and to determine arbitrarily all matters or deference, in regard thereto.
24. Grievance Policy: All grievances must be in writing and accompanied with a \$50 filing fee. The Edwards County Fair Board will act upon a written grievance within 48 hours of filing.
25. The Edwards County Extension Council staff will make every effort to transport the qualified exhibits to the Kansas State Fair. However, due to lack of space, those desiring to exhibit bulky items may need to transport their own exhibits.

THANK YOU TO TYREE AG for sponsoring the Fair t-shirts for the 4-H'ers!

Edwards County Fair 4-H Premium System

Premium money will be paid on the basis of the total points earned by the 4-H member/exhibitor.

| | |
|------------------------|-----------|
| Grand Champion | 30 points |
| Reserve Grand Champion | 20 points |
| Purple | 10 points |
| Blue | 5 points |
| Red | 3 points |
| White | 1 point |

The 4-H Shooting Sports division will not receive points or premium money to preserve the 4-H'ers amateur status.

Premium money will be held until all 4-H family bills are paid (i.e., concession stand, registration fees, etc.) are paid to either Edwards County 4-H Council or the Edwards County Fair Association.

Total points earned on all 4-H exhibits added together will be divided into the total amount of premium money donated for the year to be paid as determined by the Edwards County Fair Board. The resulting answer will determine the amount to be paid per point earned.

EXAMPLE: Assume 1 point = \$.20. 4-H exhibitor received: 2 Blue awards - $2 \times 5 = 10$ points, 1 Red award - $1 \times 3 = 3$ points, and 1 White award - $1 \times 1 = 1$ point. Total premium points 14 points \times \$.20 = \$2.80.

Guidelines for Donated Awards

1. The Fair Board will allow individuals to donate non-monetary items (such as a belt buckle, chair, platter, etc.) to non-premium divisions/events that are showmanship by nature with the approval of the Board.
2. The donation must be approved by the Fair Board by June 1st of the current year.
3. The donation must be presented by the donor or someone designated by the donor.
4. The donation must be presented at the conclusion of the event.
5. Individuals or entities wanting to increase the amount of premium an individual 4-H'er receives from the Premium Auction can do so in one of three ways. They can (1) directly gift to the 4-H'er; (2) donate to the Edwards County Fair Association; or (3) donate to the 4-H Premium Fund. Donations made to the Edwards County Fair Association, become the property of the Fair Association Board of Directors. Individuals or entity representative may request how the donation will be distributed; however, while the Board of Directors will take those wishes into consideration, the Board of Directors reserves the right to distribute those funds in the manner they consider most equitable.

General Rules of 4-H Livestock Exhibits

1. **Livestock exhibitors must show their own livestock.** Exceptions to this rule may be allowed where the 4-H'er has two livestock entries in one class. Exceptions may also be made at the discretion of the Fair Board.
2. **ATTIRE:** 4-H exhibitors must wear a nice, clean, dress shirt, (polo shirts are acceptable) neatly tucked into a pair of jeans or slacks (without holes or tears). No t-shirts or sleeveless shirts will be allowed in the show ring. No spaghetti

straps, no bare midriffs and oversized tank tops. Shirts will be button up and pants will be pulled up; no cracks exposed! These rules will be enforced. No hats will be allowed in the show ring. 4-H horse exhibitors will follow State 4-H Horse Show Rule Book.

3. Parents will not be allowed to assist 4-H'ers in the show ring UNLESS safety of 4-H'er is in jeopardy.
4. All market animals (steers/heifers, lambs, hogs, goats, and bucket calves) must be tagged by the specific date.
5. Exhibitors must furnish their own feed, water and equipment for all livestock exhibits.
6. Equipment brought to the fair should be marked.
7. Exhibitors are expected to keep their animals cared for and their pen or stall space clean. Premiums can be withheld for failure to do so.
8. Each animal must be marked with a stall card. These cards may be picked up at the Extension Office prior to the fair or at the Fair Office during the fair.
9. There will be no duplication of a livestock exhibit by a 4-H exhibitor in the Open Class section.
10. Pens & stalls must be cleaned before the superintendent will release livestock projects from the fair. If stalls & pens are not cleaned, premiums will NOT be paid.
11. For livestock of wild nature, the superintendent and/or Extension Agent will decide whether it is reasonably safe to allow the animal to enter the show ring.
12. Rules and regulations for the Fair Horse Show will follow those outlined in the Kansas 4-H Horse Show Rule Book.
13. No artificial coloring will be permitted above the flank. Any product administered internally or used externally to alter the conformation and/or appearance of an animal for exhibition is prohibited. This includes the covering of skin coloring not characteristic of the breed's identity, false tail heads (or use of false hair), the use of any substance to color hair (or wool).
14. Unethical fitting of show animals is not allowed. The exhibit must be the handwork of the exhibitor. Only immediate family members, and/or other 4-H'ers are permitted to assist the exhibitor while at the fair.
15. Grievance Policy: All grievances must be in writing and accompanied with a \$50 filing fee. The Edwards County Fair Board will act upon a written grievance within 48 hours of filing.
16. STALLING POLICY:
 - a) For animals not stalled at the Edwards County Fair - - a written request needs to be made before the fair to the Fair Board. (Forms available from the Extension Office.)
 - b) For exhibitors requesting an early release - - an Early Release Form needs to be filled out before the fair, in which 4-H'er, parent and superintendent must sign. The 4-H'er will forfeit any and all premium money on that project. These forms are available from the Extension Office. The 4-H'er is responsible for cleaning stall/space and the superintendent must check them out. If these requirements are not met, ALL premium money will be withheld. (Special consideration can be made for hardship cases at the discretion of the Fair Board).

General Health Requirements for all Animals

- ☘ A veterinarian will be on hand during livestock check-in to inspect ALL livestock. **All animals will be inspected in the trailer BEFORE unloading.** Animals MUST be free of clinical signs of infectious or contagious diseases, as determined by the examining veterinarian. Animals with lesions, warts, mange, visible mucous, respiratory symptoms, etc., will be determined to be "contagious" by the on-site veterinarian. Any animals deemed "contagious" will be sent home IMMEDIATELY and not allowed to show.
- ☘ It is recommended that all livestock are vaccinated under the direction of a licensed veterinarian.
- ☘ Animals requiring tranquilization will be removed from the Fairgrounds as soon as possible and will not be allowed to show.

Specific Requirements for:

CATTLE: For cattle originating in Kansas, no tests are required. Kansas is a brucellosis and tuberculosis free state. Cattle determined to have lesions of ringworm, warts, or infested with mange will not be allowed to exhibit.

SHEEP AND GOATS: Animals must be free of any signs of sore mouth and active fungal infection, (ringworm including Club Lamb Fungus). All lambs and goats must be identified with an official Scrapie USDA premise ID tag. Lambs and kids, under 8 weeks of age, accompanying their dams or does, who possess a tag are exempt from identification requirements.

SWINE: for swine originating in Kansas, no tests are required.

HORSES: Must be current on vaccinations for Eastern/Western Encephalomyelitis, West Nile Virus, rhinopneumonitis, and influenza. A negative test for equine infectious anemia (Coggins Test) within 12 months prior to the show date.

POULTRY: All poultry, except for waterfowl, must show proof that they are pullorum-typhoid free by one of the following:

- Originate from a U.S. Pullorum-Typhoid Clean Flock by an official VS form 9-3.
- Present evidence that entries were purchased from a US Pullorum-Typhoid Clean source.
- Present an official VS form 9-2 for a negative result test conducted within 90 days prior to the Fair.
- Test negative at check-in of the county fair when the county has been designated by KDA-DAH for surveillance. Routine surveillance testing will be performed for each county fair a minimum of once every 5 years.

All birds must be free of any evidence of disease.

RABBITS: Free from signs of disease.

DOGS AND CATS: Free from signs of disease, and current on vaccinations. All dogs and cats, older than 4 months, must have been vaccinated against rabies. Dogs must have also been vaccinated against distemper, hepatitis, leptospirosis, and parvovirus. Cats must have also been vaccinated against distemper, feline leukemia, calicivirus, viral rhinotracheitis and pneumonitis. Dogs/puppies and cats/kittens must be accompanied by a Health Certificate from a licensed veterinarian.

ALL OTHER CREATURES, LARGE & SMALL: Free from signs of disease, and current on vaccinations if needed. Animal must be accompanied by a Health Certificate from a licensed veterinarian.

IT IS RECOMMENDED:

1. Any animal going back to the farm following the fair or show should be isolated for at least 30 days.
2. No injection of any corticosteroid compounds should be given within 45 days prior to the Fair if cattle have been vaccinated for IBR and/or BVD.
3. Veterinarians should be paid for their time.
4. Please recognize many contagious diseases in animals can also affect humans. Take precautions, such as frequent hand washing and not eating, etc., when working with livestock, to reduce transmission of such diseases.

Livestock originating from other states must meet the requirements designated by Kansas Department of Agriculture.

Herdsmanship Traveling Plaque

This plaque is awarded to the 4-H Club that shows the best herdsmanship during the Edwards County Fair. (Herdsmanship: animals well cared for, livestock areas kept clean, stall cards and ribbons nicely displayed.)

4-H Premium Auction

1. 4-H'ers will be allowed to sell one livestock market animal through the 4-H Premium Auction at the Edwards County Fair.
2. The Grand Champion and Reserve Grand Champion of the 4-H Food Preparation Division will be sold at the 4-H Premium Auction. And any 4-H food item receiving a Purple Ribbon will also be eligible to sell that item in the Premium Auction. A 4-H'er selling one of these food items cannot sell a market livestock animal. The 4-H'er will need to make a new item for the auction and the 4-H'er will receive the sale price of the food item auctioned.
3. Animals sold at the 4-H Premium Auction at the Edwards County Fair must be presented during the auction by the 4-H exhibitor whose name is on the entry of that exhibit. (Animal: market steer, market heifer, market lamb, market pig, meat goat, meat pen chicken, meat pen rabbit.) Exceptions to this rule will be allowed only upon the approval of the Edwards County Fair Board.
4. Sale order will be determined by ribbon placing.
5. Animals will be sold for premium during the auction. Any animal sold at the Edwards County Fair Auction cannot be shown at the Kansas State Fair or the Kansas Junior Livestock Show.
6. Animals or foods not of acceptable quality will not be allowed to sell.
7. A 3% commission will be withheld from all auction sales.
8. Individuals or entities wanting to increase the amount of premium an individual 4-H'er receives from the Premium Auction can do so. They can either make the donation before the Premium Auction or immediately following the auction.
9. 4-H'ers need to turn in a completed 4-H Record Book in order to sell at the Auction. Those not complying will not be able to sell at the auction the following year.

10. Animals must meet minimum weight requirements as determined by the Edwards County Fair Board to sell in the Premium Auction.

Guidelines for 4-H Livestock Encampment

1. Only 4-H members with livestock that need care at the Fair will be eligible for encampment.
2. 4-H Clubs with members eligible for encampment should make arrangements for adult chaperone(s) to stay each night. The chaperones will need to have completed the 4-H Volunteer Screening process.
3. Parents are responsible to notify the adult chaperone from their 4-H club if their 4-H'er will be staying overnight. The Overnight Stay Permissions Slip must be completed by the 4-H'er and their parent and turned into the Fair Office/Extension Office by the date specified on the form.
4. 4-H members participating in the encampment will be expected to obey the decisions of the adult chaperones.
5. Livestock should be left in their stalls after 10:00 p.m.
6. The curfew time will be 12 midnight. All 4-H members should be in their respective areas at this time.
7. 4-H'ers are expected to stay in the livestock area; not playing around the swimming pool, going to the park, going downtown, etc.
8. The city police will be asked to drive through the area periodically throughout the night.
9. Livestock trailers and campers are to be parked in designated areas only.

DIVISION – 4-H LIVESTOCK SHOWMANSHIP

(Beef, Dairy, Goat, Horse, Sheep, Swine)

1. A 4-H'er may enter 1 animal of each species that they are exhibiting.
2. 4-H member must own the animal(s) the member is showing.
3. Showmanship contestants will be judged on the following standards:
 - a) Appearance of Animal (grooming, condition, washing & cleanliness, trimming of head, ears, hair/wool, legs, etc.)
25 points
 - b) Showing of the animals in the show pen (control of animal by exhibitor, poise and attitude of exhibitor, skill of showing/ability to stand or move animal as requested by judge, knowledge of animal and project)60 points
 - c) Appearance of exhibitor (neat, clean, and appropriately dressed following 4-H dress code) 15 points
4. Dress code will be enforced – see General Rules of 4-H Livestock Exhibits.
5. Classes will be listed under each respective division.

DIVISION - 4-H ROUND ROBIN SHOWMANSHIP CONTEST

1. The Round Robin Contest will follow all showmanship rules as outlined in 4-H Livestock Showmanship.
2. The top placing 4-H'er and animal in the beef, dairy, goat, horse, sheep and swine contests of Intermediate and Senior age group will compete in the Round Robin.
3. Each exhibitor must groom his/her own animal and may have assistance of an immediate family member, club project leader, or another 4-H member who is an exhibitor in current year's fair.
4. If a 4-H member wins in more than one species, he/she must select the one species they want to represent no later than 5 p.m. the day of the livestock show. The 2nd placing showman from the other species will then be eligible to participate in the Round Robin.
5. The animal used to win showmanship, in each species, should be the animal used for the Round Robin, unless safety issues determine otherwise.
6. Contest will be run as designed by agents & superintendents.
7. Contestants will be rated on a scale from 1 to 5 (5 being the highest score available).
8. The contestant receiving the most points or highest score will be the top showman.
9. Ties will be broken by the individual species score from the species represented by the contestant.

ANIMAL 4-H PROJECTS

DIVISION – 4-H BEEF

1. All market steers and heifers must have been born after January 1 of the previous year.

2. Market steer and heifer classes will be split according to weight. All market steers and heifers will be weighed upon entry. Classes will be determined by the superintendent after weigh-in.
3. In Pen of 3 classes, all animals must be halter broke, and cannot include animals entered in breeding classes. These animals must be owned by an individual or a group of family members, and must be maintained at the same livestock facility.
4. Classes may be combined or split at the discretion of the superintendent.
5. A Grand Champion and Reserve Grand Champion will be chosen for Market Beef and Breeding Beef if quality merits.

Showmanship

- 302001 Sr. Beef Showmanship
- 302011 Int. Beef Showmanship (including Bucket Calf)
- 302021 Jr. Beef Showmanship (including Bucket Calf)

Market Beef

- 101011 Market Steer
- 101012 Market Heifer
- 101013 Commercial Pen of 3
- 101014 Beef Rate of Gain

Breeding Heifer

- 101021 Heifer Calf, calved Jan. 1st or after of the current year (not bucket fed)
- 101023 Early Yearling Heifer, calved between Jan. 1st and June 30 of the previous year
- 101024 Late Yearling Heifer, calved between July 1st and Dec 31st of the previous year
- 101025 Heifer or Cow: calved before Jan 1st of the previous year
- 101026 Cow with Calf at side: cannot be shown in any other class. Must be shown at halter.

DIVISION – 4-H BUCKET CALF

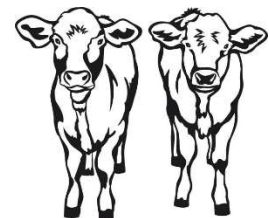
1. This project is for youth 7-12 years of age.
2. 1st year bucket calves must be born on or after Dec 1st of the previous year and before May 1st of the current year.
3. 2nd year bucket calves must have been shown the previous year as a 1st year bucket calf.
4. 4-H members may only show one 1st year bucket calf and one 2nd year bucket calf (bucket fed feeder).
5. Calf must be a motherless, male or female, dairy or beef type. Only steers and heifers may be shown.
6. They must be fed by bottle or bucket.
7. 1st year bucket calves must be weighed and tagged at the Edwards County small animal weigh-in. 2nd year bucket calves (bucket fed feeder) must be weighed and tagged at the Edwards County beef weigh-in.
8. 1st year bucket calves will not be sold at the livestock Premium Auction. 2nd year bucket calves (bucket fed feeders - steers or market heifers) may be sold at the 4-H Premium Auction if they meet the minimum weight requirements as determined by the Edwards County Fair Board.
9. If showing a 2nd year bucket calf heifer (bucket fed), members will need to designate if market heifer or breeding heifer and show in the appropriate class. Breeding animals are not sold in the 4-H Premium Auction.
10. Classes will be judged by consultation method based on:
 - A. 50% Knowledge – used to determine what the child has learned about caring for and raising the calf. Questions regarding purchase, management, housing, health, feeding and future plans are considered appropriate and may be expanded for older youth. Knowledge will be based on a written exam given prior to the show, and judge's questions in the show ring.
11. 50% Showmanship – 4-H member will be judged on how well they work with their calf in the show pen. (How well the calf responds to commands, how well the calf has been carried for.) The calf should be washed and dried and may be trimmed. Show sticks are optional. Presentation of the calf is to be done with a rope, nylon, or leather halter. The quality of the calf as a beef or dairy specimen will not be a factor. A Grand Champion and Reserve Grand Champion will be chosen in the 1st Year Bucket Calf Division and the 2nd Year Bucket Calf Division if quality merits.

Showmanship

- 302011 Int. Beef Showmanship
- 302021 Jr. Beef Showmanship

1st Year Bucket Calf

- 101031 Members age 7-9 year old as of Jan 1 of the current year
- 101032 Members age 10-12 year old as of Jan 1 of the current year



2nd Year Bucket Calf

- 101035 2nd Year Bucket Calf (Bucket Fed) – Market Steer
101036 2nd Year Bucket Calf (Bucket Fed) – Market Heifer
101037 2nd Year Bucket Calf (Bucket Fed) – Breeding Heifer

DIVISION – 4-H DAIRY

Showmanship

- 302002 Sr. Dairy Showmanship
302012 Int. Dairy Showmanship
302022 Jr. Dairy Showmanship

Dairy Heifers

- 102011 Heifer Calf, calved Jan. 1st or after of the current year (not bucket fed)
102012 Early Yearling Heifer, calved between Jan. 1st and June 30 of the previous year
102014 Late Yearling Heifer, calved between July 1st and Dec 31st of the previous year
102015 Heifer or Cow: calved before Jan 1st of the previous year; 2 years and older.
102016 Cow with Calf at side: cannot be shown in any other class. Both must be shown at halter.

DIVISION – 4-H DAIRY GOATS

Breeding classes will be females only.

Market animals cannot be shown in breeding classes.

Showmanship

- 302006 Sr. Goat Showmanship
302016 Int. Goat Showmanship
302026 Jr. Goat Showmanship

Dairy Goats

- 102067 Jr. Doe, birth date from 01/01 of the current year to show date.
102068 Jr. Doe, Dry Yearling
102069 Sr. Doe, 2 year old and under, lactating or who has lactated.
102070 Sr. Doe, 3 year old and over, lactating or who has lactated.

DIVISION – 4-H DOG

1. The handler must either own or be caring for the dog.
2. Dogs at the show must be kept on leash at all times except when competing in 'off leash' competition.
3. All dogs must be six months of age or older at the date of show to enter obedience.
4. It will be required to present proof of health immunization at time of registration if not sent beforehand. Anyone not able to present this proof will not be allowed to show.
5. All entries are required to have trained their dog with assistance from the leader and must be currently enrolled in the 4-H Dog Project.
6. The Kansas 4-H Dog Show rule book will be followed.
7. Obedience entries will be worked individually. They will be judged by how well the dog is groomed and by handler's exhibition of the dog. Exhibitors may only show 1 dog per class.
8. Showmanship entries will be judged on fitting of the dog (clean, coat well brushed, 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.
9. Agility classes are divided on ability and height of dog: Small dog – under 15" at the withers; Medium dog – 15" – 20" at the withers; Large dog – over 20" at the withers.
10. Grand Champion and Reserve Grand Champion will be chosen from the Obedience top award winners and must be off leash.

Obedience

- 108011 Sub-Novice A: a first year member with a first year dog. (*Heel & Figure 8 on leash, Stand for examination on leash, Recall on leash, Long sit – 1 minute, Long down – 3 minutes*)

- 108012 Sub-Novice B – For a first year dog with an experienced handler or a dog and handler who did not qualify in Sub-Novice last year. (*Heel and Figure 8 on leash, Stand for examination on leash, Recall on leash, Long sit – 1 minute, Long down – 3 minutes.*)
- 108013 Novice – For all 4-H'ers and dog who have qualified in Sub-Novice under two different certified judges the previous year. (*Heel and figure 8 on leash, Stand for examination off leash, Heel off leash, Recall off leash, Long sit – minute off leash, Long down – 3 minutes off leash.*)
- 108014 Graduate Novice – For all 4-H'ers and dogs who have qualified in Novice under two different certified judges the previous year. (*Heel on leash, Stand for examination off leash, Heel and Figure 8 off leash, Drop on recall, Long sit – member out of sight 3 minutes, Long down – member out of sight 5 minutes*)
- 108015 Open A – For all 4-H'ers and dogs who have qualified in Graduate Novice under two different certified judges the previous year. (*All exercises off leash, Heel and Figure 8, Drop on recall, Retrieve on flat, Broad jump, Long sit – member out of sight 3 minutes, Long down – member out of sight 5 minutes.*)
- 108016 Open B – For all 4-H'ers and dogs who have qualified in Open A under two different certified judges the previous year. (*All exercises off leash, Heel and Figure 8, Drop on recall, Retrieve on flat, Retrieve over high jump, Broad jump, Long sit – member out of sight 3 minutes, Long down – member out of sight 5 minutes.*)

Showmanship

- 108021 Junior Showmanship
 108022 Intermediate Showmanship
 108023 Senior Showmanship

Rally

- 108041 Rally – Level 1
 108042 Rally – Level 2
 108043 Rally – Level 3

Agility

- 108031 Beginning Agility – On Leash – For dogs who are still working at Pre-Novice Level.
- 108032 Agility 1 - Agility I- For 4-H members and dogs who have NOT in a previous 4-H year earned two qualifying scores of 190 points or greater (purple ribbons) in Agility I under certified Agility 4-H judges at local, multi-county or state 4-H competitions.
- 108033 Agility 2 – For 4-H members and dogs who in a previous 4-H year have earned two qualifying scores of 190 points or greater (purple ribbons) in Agility I under certified Agility 4-H judges at local, multi-county or state 4-H competitions.
- 108034 Agility 3 - For 4-H members and dogs who in a previous 4-H year have earned two qualifying scores of 190 points or greater (purple ribbons) in Agility II under certified Agility 4-H judges at local, multi-county or state 4-H competitions.

DIVISION – 4-H MEAT GOATS

1. Market goats must be born after Dec. 1st of the previous year.
2. Breeding classes will be females only.
3. Market animals cannot be shown in breeding classes.
4. In Pen of 3 class, all animals must be broke to lead, and cannot include animals entered in breeding classes. The animals must be owned by an individual or a group of family members and must be maintained at the same livestock facility.

Showmanship

- 302006 Sr. Goat Showmanship
 302016 Int. Goat Showmanship
 302026 Jr. Goat Showmanship

Meat Goat

- 102062 Market Meat Goat
 102063 Pen of 3 Market Goats
 102064 Rate of Gain

Breeding Goats

- 102065 Breeding Doe – Meat Type



DIVISION – 4-H HORSE

1. Rules and regulations for the Edwards County Fair Horse Show will follow those outlined in the Kansas 4-H Horse Show Rule Book.
2. Horses are shown at the owner's risk.
3. Each horse must be exhibited or ridden by the 4-H owner per the 4-H Horse ID papers.
4. There will be no duplication of a class in the Open Class Section by a 4-H horse and rider.
5. 4-H classes and Open Class classes will run consecutively.
6. Dress code will follow Dress Code rules (pages 5-6) in the Kansas 4-H Horse Show Rule Book.
7. To show at the Kansas State Fair, the animal and 4-H'er must qualify through the SW District 4-H Horse Show.
8. Walk/Trot entrants cannot enter any other performance classed that require a lope or any timed event class.

Showmanship & Halter

- 302003 Sr. Horse Showmanship
- 302013 Int. Horse Showmanship
- 302023 Jr. Horse Showmanship
- 104012 Mares at Halter (all breeds/all ages)
- 104013 Geldings at Halter (all breeds/all ages)

Performance

- 104011 Jr. Walk/Trot Western Pleasure
- 104023 Sr. Western Pleasure
- 104024 Int. Western Pleasure
- 104025 Jr. Western Pleasure
- 104027 Jr. Walk/Trot Western Horsemanship
- 104028 Sr. Western Horsemanship
- 104029 Int. Western Horsemanship
- 104030 Jr. Western Horsemanship
- 104031 Sr. Trail
- 104032 Int. Trail
- 104033 Jr. Trail
- 104034 Sr. Reining
- 104035 Int. Reining
- 104036 Jr. Reining

Timed Events

- 104037 Sr. Barrel Racing
- 104038 Int. Barrel Racing
- 104039 Jr. Barrel Racing
- 104040 Sr. Pole Bending
- 104041 Int. Pole Bending
- 104042 Jr. Pole Bending
- 104043 Sr. Flag Race
- 104044 Int. Flag Race
- 104045 Jr. Flag Race
- 104046 Sr. Key Race
- 104047 Int. Key Race
- 104048 Jr. Key Race
- 104049 Sr. Fun Class
- 104050 Int. Fun Class
- 104051 Jr. Fun Class

DIVISION – 4-H PET PROJECT

1. Pets must have a health certificate from a licensed veterinarian and proof of vaccinations.
2. Refer to fair schedule for time and location of show.
3. Pets will be judged on: appropriateness of pet, cleanliness of pet, knowledge of pet and care.
4. Pets will not be housed at the fairgrounds or kept overnight.

5. Pets should be in a carrier/cage/tank, or on a leash, whatever is appropriate.

Pets

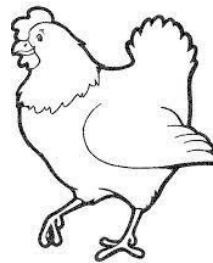
- 150001 Kitten (under 1 year of age)
- 150002 Cat
- 150003 Puppy (under 1 year of age)
- 150004 Dog
- 150005 Hand Pet
- 150006 Bird
- 150007 Aquarium Pet
- 150008 Reptile or Amphibian
- 150009 Other

DIVISION – 4-H POULTRY

- 1. Limit of seven (7) entries per this division; three (3) birds per class.
- 2. All poultry will be judged according to the breed standards.
- 3. No bird can be used in more than one class.
- 4. If poultry originate from a pullorum-typhoid clean or the equivalent flock, 4-H'er needs to present a certificate stating this fact.
- 5. All exotic birds must be accompanied by a receipt of purchase. All exotic birds must be purchased from a breeder and not obtained from the wild.
- 6. Young birds are defined as under 1 year from their date of birth (hatch). Old bird is defined as 1 year and older from their date of birth (hatch). Please list date of birth (hatch) on entry form.
- 7. 4-H'ers need to be present at judging.
- 8. Each exhibitor is limited to 1 dozen eggs in each egg class. Eggs are to be displayed in an egg carton.
- 9. 4-H'er may sell 1 animal at the livestock premium auction but animal will no longer be eligible for show.

Poultry

- 106001 Sr. Poultry Showmanship
- 106002 Int. Poultry Showmanship
- 106003 Jr. Poultry Showmanship
- 106011 Standard Breeds, Large Fowl, one young bird of either sex.
- 106012 Standard Breeds, Large Fowl, one old bird of either sex.
- 106013 Standard Breeds, Bantams, one young bird of either sex.
- 106014 Standard Breeds, Bantams, one old bird of either sex.
- 106015 Production Pullets, Pen of 3. *(Standard bred, crossbred, or strain cross pullets to be judged on egg production qualities.)*
- 106016 Production Hens, Pen of 3. *(Standard bred, crossbred, or strain cross hens to be judged on egg production qualities.)*
- 106017 Dual Purpose Pullets, Pen of 3. *(Such as Rhode Island Red, New Hampshire, Plymouth Rock, etc.)*
- 106018 Dual Purpose Hens, Pen of 3. *(Such as Rhode Island Red, New Hampshire, Plymouth Rock, etc.)*
- 106030 Meat Pen, Pen of 3.
- 106019 Turkeys, all breeds, one bird of either sex.
- 106021 Ducks, all breeds, one bird of either sex.
- 106022 Geese, all breeds, one bird of either sex.
- 106023 Exotic Bird, all breeds, one bird of either sex.
- 106024 Native Game Bird, one bird of either sex.
- 106025 Other Bird, all breeds, one bird of either sex.



Eggs

- 106091 Dozen White Eggs
- 106092 Dozen Brown Eggs
- 106093 Dozen Other Eggs

DIVISION – 4-H RABBITS

1. A maximum of 18 entries per this division. 4-H'ers will be allowed to house 7 rabbits during the Fair; preferably their highest placing rabbits.
2. Meat exhibits 3 animals per entry; and those animals cannot be entered in any other class.
3. 4-H'ers need to be present during judging.
4. 4-H'ers are responsible for the proper care of their rabbits during the show and while housed at the County Fair. (i.e., fresh water, food, dishes, ice bottles for cooling, etc.)
5. 4-H'er may sell 1 animal at the livestock premium auction but animal will no longer be eligible for show.

Showmanship

- 107011 Sr. Rabbit Showmanship
- 107012 Int. Rabbit Showmanship
- 107013 Jr. Rabbit Showmanship

Rabbit

- 107021 Jr. Doe – under 6 months of age, list breed
- 107022 Doe – 6 to 8 months of age, list breed
- 108023 Senior Doe – 8 months of age and older, list breed
- 107024 Jr. Buck – under 6 months of age, list breed
- 107025 Buck – 6 to 8 months of age, list breed
- 107026 Sr. Buck – 8 months of age, list breed
- 107027 Meat Pen – All rabbits of one breed, list breed. Maximum weight 5 lbs. each.

Fur

- 107141 Normal White Fur
- 107142 White Satin Fur
- 107143 White Rex Fur
- 107144 Normal Colored Fur
- 107145 Colored Satin Fur
- 107146 Colored Rex Fur

DIVISION – 4-H SHEEP

1. Market lambs will include both whether and ewe lambs born on or after Dec 1st of the previous year.
2. Animals shown as market lambs cannot be shown in breeding classes.
3. Market lamb classes will be split according to weight. All market lambs will be weighed when entered. Classes will be determined by the superintendent after weigh-in.
4. All lambs must be slick shorn with an even length of wool covering above the hock and knee (head excluded). Wool length should not exceed .2 inch.
5. In Pen of 3 class, all animals must be broke to lead, and cannot include animals entered in breeding classes. The animals must be owned by an individual or a group of family members and must be maintained at the same livestock facility.
6. Classes may be combined or split at the discretion of the superintendent.

Showmanship

- 302004 Sr. Sheep Showmanship
- 302014 Int. Sheep Showmanship
- 302024 Jr. Sheep Showmanship

Market Lambs

- 105011 Market Lamb
- 105012 Rate of Gain
- 105014 Commercial Pen of 3

Breeding Sheep

- 105021 Ewe Lamb – born on or after Sept 1st of the previous year
- 105022 Yearling Ewe – born before Sept 1st of the previous year
- 105023 Aged Ewe

DIVISION – 4-H SWINE

1. Market hogs will include both barrows and gilts born on or after Dec 1st of the previous year.

2. Animals shown as market hogs cannot be shown in breeding classes.
3. Market hogs classes will be split according to weight. All market hogs will be weighed when entered. Classes will be determined by the superintendent after weigh-in.
4. All hogs must be washed and cleaned before they are checked in at the Edwards County Fair.
5. In Pen of 3 class, all animals must be able to be handled, and cannot include animals entered in breeding classes. The animals must be owned by an individual or a group of family members and must be maintained at the same livestock facility.
6. Classes may be combined or split at the discretion of the superintendent.
7. A Grand Champion and Reserve Grand Champion will be chosen for Market Hog and Breeding Gilt if quality merits.

Showmanship

- 302005 Sr. Swine Showmanship
- 302015 Int. Swine Showmanship
- 302025 Jr. Swine Showmanship

Market Hogs

- 103011 Market Hog
- 103012 Rate of Gain
- 103014 Commercial Pen of 3

Breeding Gilts

- 103021 January Gilt – born in Jan of the current year
- 103022 February Gilt – born in Feb of the current year
- 103023 March Gilt – born in Mar of the current year

GENERAL 4-H PROJECTS

DIVISION – 4-H BOOTHS & BANNERS

1. Each 4-H Club will be limited to one entry.
2. Each club is required to label its entry with club's name where it is easily seen.
3. Booth size is approximately 8' x 6'.
4. Booths and Banners are NOT eligible for the Kansas State Fair.
5. Banner dimensions are to be no less than 12 and no more than 16 square feet with a minimum of 3 feet on one side.
6. Banners must be made of materials that permit the banner to be folded or rolled without damaging the display. Three dimensional objects should not be attached to the front of the banner.
7. Each entry will be judged on the following basis: Educational Value - 40%; Interest and Originality - 20%; Appearance - 20%; Quality of Display Material – 20%.
8. Clubs not taking care of booths will forfeit prize money.
9. Premiums will be paid: 1st - \$20; 2nd - \$15; 3rd - \$10; 4th - \$5.

Booths & Banners

- 121011 Booths
- 121012 Banners

DIVISION – 4-H CLOTHING AND TEXTILES

1. Each constructed article entered must have a clothing tag attached to the garment, giving name of article, class number, and the name of exhibitor for the fair.
2. Garments must be clean and pressed before entry.
3. 4-H member is not limited on the number of entries per class in Clothing Construction.

Clothing Construction

- 117011 Article Constructed by Jr. 4-H'er (7-9 year olds)
- 117014 Other Item Constructed by Jr. 4-H'er (7-9 year olds)
- 117016 Educational Exhibit by Jr. 4-H'er (7-9 year olds)
- 117021 Article Constructed by Int. 4-H'er (10-13 year olds)
- 117024 Other Item Constructed by Int. 4-H'er (10-13 year olds)
- 117026 Educational Exhibit by Int. 4-H'er (10-13 year olds)
- 117031 Article Constructed by Sr. 4-H'er (14-15 year olds)

- 117034 Other Item Constructed by Sr. 4-H'er (14-15 year olds)
- 117036 Educational Exhibit by Sr. 4-H'er (14-15 year olds)
- 117041 Article Constructed by Sr. Adv. 4-H'er (16-18 year olds)
- 117044 Other Item Constructed by Sr. Adv. 4-H'er (16-18 year olds)
- 117046 Educational Exhibit by Sr. Adv. 4-H'er (16-18 year olds)

Fashion Revue

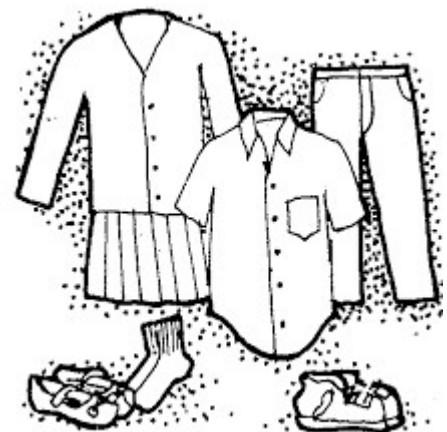
1. 4-H'er may enter up to 5 outfits for Fashion Revue; 1 outfit per class.
2. Fashion Revue outfits must be pre-entered by the date specified by the Extension Office. A description of each outfit and accessories is also required. The forms are available on line at www.edwards.ksu.edu or from the Extension Office.
3. Fashion Revue participants are required to participate in the Public Fashion Revue and may model up to 2 outfits in the Public Fashion Revue.
4. Buymanship garments will be displayed during the Fair. The 4-H'er is responsible for bringing their garments in during entry time.
5. Grand Champion and Reserve Grand Champion Seniors are the only ones allowed for State Fair classes for Fashion Revue.

Fashion Revue Class Descriptions:

- Dress-Up church, party clothes, nice dresses/suits, sport coat/tie/slacks, etc.
- School/Casual school, sweaters, skirts, blouses, jeans, jumpers, etc.
- Sport/Play shorts, active wear, sweats, jogging suits, etc.
- Western western style clothing
- Formal outfit suitable for evening or semi-formal events
- Thrifty outfit purchased as second-hand or hand-me-down

Fashion Revue - Buymanship

- 300040 Jr. Dress Up Wear (7-9 year olds)
- 300041 Jr. School/Casual Wear (7-9 year olds)
- 300042 Jr. Sports/Play Wear (7-9 year olds)
- 300043 Jr. Western Wear (7-9 year olds)
- 300044 Jr. Other (7-9 year olds)
- 300045 Jr. Thrifty (7-9 year olds)
- 300050 Int. Dress-Up Wear (10-13 year olds)
- 300051 Int. School/Casual Wear (10-13 year olds)
- 300052 Int. Sports/Play Wear (10-13 year olds)
- 300053 Int. Western Wear (10-13 year olds)
- 300054 Int. Other (10-13 year olds)
- 300055 Int. Formal Wear (10-13 year olds)
- 300056 Int. Thrifty (10-13 year olds)
- 300060 Sr. Dress-Up Wear (14-18 year olds)
- 300061 Sr. School/Casual Wear (14-18 year olds)
- 300062 Sr. Sports/Play Wear (14-18 year olds)
- 300063 Sr. Western Wear (14-18 year olds)
- 300064 Sr. Other (14-18 year olds)
- 300065 Sr. Formal Wear (14-18 year olds)
- 300066 Sr. Thrifty (14-18 year olds)



Fashion Revue – Constructed

- 300011 Jr. Article (7-9 year olds)
- 300012 Jr. Outfit (7-9 year olds)
- 300020 Int. Article (10-13 year olds)
- 300021 Int. Outfit (10-13 year olds)
- 300030 Sr. Article (14-18 year olds)
- 300031 Sr. Outfit (14-18 year olds)

DIVISION – 4-H CLOVERBUDS

1. All Cloverbud exhibits will be displayed together in a “Cloverbud Showcase” and not in individual project departments.
2. Cloverbuds are enrolled children, 5 & 6 years of age as of Jan 1st of the current year.
3. Cloverbuds will not be judged. They will have a “Show and Tell” session with a person designated by Extension staff according to the Fair schedule.
4. Cloverbuds will receive a participation ribbon.
5. Cloverbud entries should be related to activities completed in a 4-H Club, other 4-H activity area, school or home.
6. Cloverbuds may showcase a pet approved by Extension staff, which include: amphibians, ant farms, cats, dogs, fish, hand pets, birds, and rabbits.
7. Pets cannot be included in overnight exhibits at the Fair but may be used as show-and-tell activity or showcase.
8. Cloverbud exhibits should be entered according to Fair schedule.

Cloverbuds

140101 4-H Cloverbud

DIVISION – 4-H COMMUNICATIONS

1. Posters must be on a piece of poster board or foam board not larger than 22” x 28”.
2. Displays are to be self-standing with a maximum size of a 3’ x 4’ tri-fold display board.
3. Notebooks should be a 3-ring binder or scrapbook. Page protectors are encouraged.
4. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
5. Project exhibits in this division are NOT eligible for the Kansas State Fair.

123012 Project Poster- (Juniors, 7-9 & Intermediates, 10-13) Exhibit a poster showcasing at least two activities from the *Express Yourself: Communications* 4-H project manual series (Available at the Extension Office).

123015 Project Display (Seniors, 14-18) Exhibit a display showcasing at least three activities from the *Express Yourself: Communications* 4-H Project Manual series (available at the Extension Office).

DIVISION – 4-H DISPLAYS, NOTEBOOKS & POSTERS

1. Posters must be on a piece of poster board or foam board not larger than 22” x 28”.
2. Displays are to be self-standing with a maximum size of a 3’ x 4’ tri-fold display board.
3. Notebooks should be a 3-ring binder or scrapbook. Page protectors are encouraged.
4. 4-H members may enter one poster in each class per project; exhibitors may enter one notebook per project; exhibitors may enter one display per project.
5. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
6. Project exhibits in this division are NOT eligible for the Kansas State Fair.

123012 Poster

123013 Project Notebook

123014 Officer Notebook

123015 Project Display

Displays should be judged on the following points:

Stopping Power, 15 points. *Is the main idea specific? Is the idea presented clearly, simply, forcefully?*

Interest Holding Power, 15 points. *Does the exhibit give the observer additional facts in a clear, concise, informative way?*

4-H Project Application, 15 points. *Is the subject matter in an effective showcase?*

Mechanical Power, 5 points. *Correct letter size, pleasing color combination, appropriate symbols and models?*

Personal Growth, 25 points. *How much knowledge was gained by exhibitor? Enthusiasm shown?*

Educational Value, 25 points. *Knowledge shared?*

123017 Diorama (Reading Project exhibit)

123018 Taxidermy or Tanning (Wildlife Project exhibit)

DIVISION – 4-H ENERGY MANAGEMENT

1. Only 4-H'ers who have met the requirements of the energy management project are eligible to exhibit in this division.
2. Article should be cleaned before exhibiting if it has been used.
3. Plans for the project need to be included. Also a sheet of operating instructions should be furnished for any exhibit that is not self-explanatory.
4. Exhibits should be able to be operated. If battery power is required, batteries must be furnished.
5. A Grand Champion and Reserve Grand Champion will be chosen for Electric & Electronics, Small Engines, and Wind Energy if quality merits.

Electric & Electronics

- 113011 AC Electric Projects. Electric projects with a 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 a restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have access to examine the quality of workmanship.
- 113012 DC Electric Projects. 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 project. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must work with batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.
- 113013 Electronics 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 wiring workmanship.
- 113014 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 electrical or electronics project. The display or exhibit should illustrate one basic idea. This class includes any educational displays, exhibits or science fair type projects which DO NOT have a power source, i.e. exhibits, 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' x 4'.

DIVISION – 4-H ENTOMOLOGY

1. Display details available at the Extension Office.
 2. Boxes need to be covered with plexi-glass. Box outside measurements should be 18"x24"x3.5".
 3. Specimens of soft-bodied insects such as aphids, lice, collembolan, termites and etc. should be exhibited in alcohol filled vials. (Limited to those specimens that lose their shape when pinned.)
 4. Educational exhibit pertain to any aspect of insect life displayed in a clear, concise, and interesting manner.
- 111011 Introductory – a collection consisting of at least 15 specimens and no more than 30 specimens, representing at least 6 orders of insects. Members may exhibit in small cardboard or plastic boxes with lids removed and each box covered with clear plastic wrap. (1 or 2 boxes with a total display are no more the 130 square inches.)
- 111012 Beginning I – a minimum of 50 and maximum of 125 specimens representing at least 7 orders. (Specimens should be grouped according to order with order labels to be pinned at the base of the box. Members may exhibit in this class a maximum of 3 years.)
- 111013 Beginning II – a minimum of 75 and a maximum of 150 specimens representing at least 9 different orders. (Specimens – 3 years)
- 111021 Beginners Education Exhibit
- 111014 Intermediate – a minimum of 100 and a maximum of 300 specimens representing at least 10 different orders. (Specimens – 3 years)
- 111022 Intermediate Education Exhibit
- 111015 Advanced – a minimum of 150 and a maximum of 450 specimens representing at least 12 different orders. (Specimens – 3 years)
- 111023 Advanced Education Exhibit

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-Hers 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, ect.
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. If a slide show is created, it should be presented on a zip drive along with a printed copy of the presentation.

111025 Monarch Butterfly Educational Display

DIVISION – 4-H FIBER ARTS

1. Articles normally worn as a pair must be exhibited together. Fasten articles together securely with yarn or safety pins.
2. Extra articles should meet phase requirements.
3. Exhibitors are not limited on number entries per class.
4. If quilted item is quilted by someone other than 4-H'er, please note on entry tag.

Knitting

- 118011 A Knitted Article
- 118012 An Extra Knitted Article
- 118013 Educational Exhibit

Crochet

- 118021 A Crochet Article
- 118022 An Extra Crochet Article
- 118023 Educational Exhibit



Needle Arts

- 118059 Counted Cross Stitch
- 118060 Embroidery and Cross-Stitch
- 118061 Needlepoint
- 118065 Applique'

Other Fiber Arts

- 118066 Patchwork Article
- 118074 Quilted Item
- 118069 Weaving, a woven article
- 118070 Ethnic Arts, an article from a specific country or culture
- 118071 Macramé, an article
- 118072 Educational Exhibit
- 118073 Other

DIVISION 4-H FOOD PREPARATION

1. Exhibitors are not limited to number of entries per class in the 4-H Foods Preparation Division. 4-H'er may only take 1 purple placing item to the Kansas State Fair in September.
2. Exhibit only non-perishable foods. 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.
3. All exhibits are to have a completed entry tag, but do NOT attach card to products. Be sure to attach a 4-H food label to the bottom of the plate/cardboard the food is on.
4. Recipes are required for all exhibits; and should be on an 8.5" x 11" white piece of paper.

5. Remove baked products from baking pans and place on heavy paper plate or covered cardboard cut to fit the size of the product. Place food items in clear plastic re-sealable bag. Layer Cake containers are available from the Extension Office.
6. All foam cakes shall be exhibited in upright position with top crust showing; no frosting.
7. Exhibit 3 cookies, 3 muffins, etc.; cakes, breads, & pies are to be exhibited as a whole product. For exhibits such as snack mix, exhibit ½ cup in re-sealable container.
8. 4-H'ers are encouraged to make all entries as nutritious as possible. Modified Food Product is a food product in which the recipe has been modified to make the food product more nutritious. For example: use whole wheat flour, dried fruit, oatmeal, cereal flakes, dry milk powder, etc. where possible.
9. Educational classes: Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" x 28". Displays are not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county or district must be clearly marked on educational exhibits. The educational exhibit evaluation form will be provided at judging time. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.
10. Food Gift Package. A food gift package must contain at least 3 different food items (prepared for human consumption), made by the 4-H member, in a suitable container no larger than 18"x18"x18". Prepared food items must have recipes attached with the entry. Additional homemade food items beyond the 3 minimum or purchased items may also be included in the gift basket. On the back of the entry card, answer these questions: a) what is the intended use; b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food product, not as an educational exhibit. Home canned foods must follow Food Preservation rules. Canning jars should not be used for baking per manufacturer's instructions. They could break during baking. No alcoholic beverages will be accepted.
11. Flop Class is for a food product that did not turn out as expected. This can be helpful as to why it happened. Not a judged class but a learning experience.
12. The Grand Champion and Reserve Grand Champion food items and Purple Ribbon food items may be sold at the Premium Auction. New food item must be made for the auction. Please bring item for the auction in a presentable fashion, i.e. tray, platter, basket, etc.

Junior (7-9 year olds)

- 115011 Non-perishable Food Product
- 115012 Food Gift Package
- 115013 Modified Food Product
- 115014 Flop Class
- 115015 Educational Exhibit

Intermediate (10-13 year olds)

- 115021 Non-perishable Food Product
- 115022 Food Gift Package
- 115023 Modified Food Product
- 115024 Flop Class
- 115025 Educational Exhibit

Senior (14-15 year olds)

- 115031 Non-perishable Food Product
- 115032 Food Gift Package
- 115033 Modified Food Product
- 115034 Flop Class
- 115035 Educational Exhibit

Senior Advanced (16-18 year olds)

- 115041 Non-perishable Food Product
- 115042 Food Gift Package
- 115043 Modified Food Product
- 115044 Flop Class
- 115045 Educational Exhibit

Miscellaneous (All Levels – not eligible for Kansas State Fair)



- 115051 Table Setting & Menu
- 115052 Menu Planning (1 day)
- 115053 Decorated Cake
- 115054 Decorated Cupcake

DIVISION – 4-H FOOD PRESERVATION

1. Exhibits must be clean and sealed in standard jelly glasses or canning jars. Jars and lids need to be matching brands.
2. Each jar must be labeled with a canning label available at the Extension Office.
3. Recommended method of processing must be used. Open kettle processed foods will not be accepted. Pickles and sweet spreads must be finished by the water bath process; low acid products must be pressure processed. Processing methods that will be disqualified include: open kettle-canning, over canning, sun canning, and using electric multi-cookers. If you need information about safe canning, go to: <http://www.rrc.k-state.edu/preservation/> For more information on electric multi-cookers, see http://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html
4. Containers may be opened at the discretion of the judge.
5. Jelly must be in ½ pint or pint jars. All other products must be in pint or quart jars.
6. Each jar exhibited must be labeled with a label giving: Class Number, Product, Canning Method, Process Time, Pressure, Altitude, Name, and Address.
7. For dried foods, each exhibit will consist of 2 different dried foods according to the class entered.
8. Dried foods may be entered in a small jar or clear plastic bag. Each food should be in a separate container. Suggested amount: 1/3 to ½ cup or 3-4 pieces per exhibit. All meat jerky must be cooked to 160 degrees F before or after drying. All entries must include recipe and preparation steps.

Canned Foods

- 116011 Sweet Spreads, Syrups; One jar.
- 116012 Fruits, Juices; One jar.
- 116013 Low Acid Vegetables (green beans, corn, etc.); One jar.
- 116014 Pickles and Relishes; One jar.
- 116015 Tomato/Tomato Products; One jar.
- 116016 Meats; One jar.

Dried Foods

- 116021 Fruit
- 116022 Vegetable
- 116023 Jerky or Meat
- 116024 Fruit Leather

DIVISION – 4-H FORESTRY

1. 4-H'er may exhibit non-native in addition to native Kansas trees in classes.
2. All leaf exhibits are to be mounted on 8½" 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' x 3').
3. Name, club, age, and year in project should be on front cover or in a prominent location.
4. 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 4H334, "List of Native Kansas Forest Trees"; (2) Location (city and/or county) where collected; and (3) date (day, month, year) collected.
5. Intermediate Forester. Exhibit only in phase(s) enrolled.
6. Senior Forester enrolled in Self Determined can exhibit in Self Determined Forestry at the State Fair.
7. Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees.
8. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens. Have samples grouped according to the year (such as "old-previous" and "new").
9. Variations of varieties do not count as different species or specimens.
10. When replacing previously displayed 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.

- 124011 Beginning Forestry
- 124012 Intermediate Forestry
- 124013 Senior Forestry
- 124014 Senior Advanced Forestry
- 124015 Project Notebook

DIVISION – 4-H GEOLOGY

1. Contact the Extension Office about descriptions from the Kansas State Fair book.
2. Exhibit boxes should be 18” x 24” x 3.5”. All specimens are to be arranged across the narrow dimension of the exhibit box making the exhibit 18” across the top. Box must have a plexi-glass cover that is removable from the top.
3. Each exhibitor is required to identify each display box by placing an ID label with the name, county, and number of specimens in the exhibit in the upper left-hand corner or the inside cover and on the lower right-hand outside corner of the box. The inside label should also include the class number.
4. Specimens should also be labeled with the number of specimens, date collected, specimen name or description and locality (county) where collected.
5. In geology, all specimens must be collected from locations in Kansas. Out-of-state specimens will not count in the minimum number for the class or be considered in the judging.

- 114011 Geology 1st Year Display (15 rocks)
- 114012 Geology 1st or 2nd Year Display (30 rocks/minerals/fossils, 5 each)
- 114013 Geology Display (45 rocks/minerals/fossils, at least 5 each, different formations)
- 114014 Special Geology Exhibit
- 114015 Lapidary (6 gemstones & minerals)

DIVISION – 4-H HEALTH & WELLNESS

1. Posters must be on a piece of poster board or foam board not larger than 22” x 28”.
2. Displays are to be self-standing with a maximum size of a 3’ x 4’ tri-fold display board.
3. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
4. Project exhibits in this division are NOT eligible for the Kansas State Fair.

- 123012 Project Poster- (Juniors, 7-9 & Intermediates, 10-13) Exhibit a poster showcasing at least two activities from the *Keeping Fit & Healthy* 4-H project manual series (Available at the Extension Office).
- 123015 Project Display (Seniors, 14-18) Exhibit a display showcasing at least three activities from the *Keeping Fit & Healthy* 4-H Project Manual series (available at the Extension Office).

DIVISION – 4-H HOME ENVIRONMENT

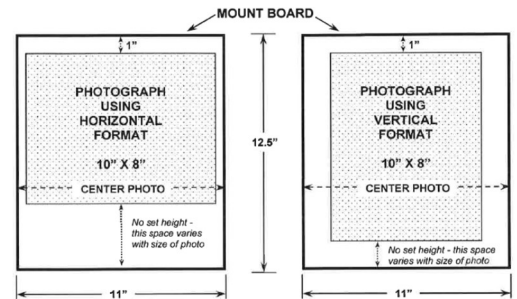
1. Educational poster or display or notebooks may include swatches, colors, stories, photographs, and project records which detail what was accomplished this year with a given indication of long term plans.
- 119021 Single Exhibit. An article made or refinished by the 4 H member for the home. Attach a 3” x 5” index card explaining how the item was made or refinished, costs involved and how it fits into the color and design of the room.
 - 119022 Poster or Display. Posters must be no larger than 22” x 28” poster board. Displays are not to exceed a standard commercial 3’ x 4’ tri-fold display board.
 - 110923 Notebook
 - 119024 Other Item

DIVISION – 4-H LEADERSHIP

1. Posters must be on a piece of poster board or foam board not larger than 22" x 28".
 2. Displays are to be self-standing with a maximum size of a 3' x 4' tri-fold display board.
 3. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
 4. Project exhibits in this division are NOT eligible for the Kansas State Fair.
- 123012 Project Poster- (Juniors, 7-9 & Intermediates, 10-13) Exhibit a poster showcasing at least two activities from the *Step Up To Leadership* 4-H project manual (Available at the Extension Office).
- 123015 Project Display (Seniors, 14-18) Exhibit a display showcasing at least three activities from the *Step Up To Leadership* 4-H Project Manual (available at the Extension Office).

DIVISION – 4-H PHOTOGRAPHY

1. A 4-H'er may exhibit any number of photos in this division.
2. Photos may be no larger than 8" x 10" and no smaller than 7" x 9" after trimming.
3. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" sheet of white studio mount. The top edge of the print should be 1" below the top of the mount with the side of the print an equal distance from the sides of the mount. Studio mount may be purchased from the Extension Office. (No foam core board allowed.)
4. A full coverage permanent mount must be made by using photographic adhesive. (Spray adhesive recommended or heat mount.) Remove white border from the enlargement before mounting.
5. On the back of the mount board, please list Name, Address, City, State, Zip, Description of photo, and where photo was taken.
6. To protect photo exhibits, it is strongly recommended that they be placed in a photo bag available from the Extension Office. Do NOT seal bag.
7. Computer manipulated photos do not include normal cropping, enlargement, or color intensity treatment. Photo must be an original taken by the exhibitor. Exhibitor must provide a small (4"x6") of original photo.
8. Photos are not to be framed.
9. 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.
10. Digital Composite Image: Finished photo must be created from two or more original sources created by exhibitor. HDR photos do not qualify for this class Photos will be judged on photographic merit as well as manipulation technique and process.



Beginner (3 years experience or less)

- 122011 Color photo
122013 Black & White photo

Intermediate (4-7 years experience)

- 122021 Color photo
122022 Black & White photo
122023 Photo with special effects
122024 Digital Composite Image
122027 Video

Advanced (8 or more years experience)

- 122031 Color photo
122032 Black & White photo
122033 Photo with special effects
122034 Digital Composite Image
122037 Video

Misl.



122050 iPhoneography (the art of creating photos with a mobile device) (all levels of experience; there is not a State Fair class)

122051 Growth Portfolio

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

122052 Career Portfolio

1. Member must have been enrolled in Photography for 5 (five) or more years OR member must be age 15 -19 and been enrolled in photography for at least two (2) years.
2. Exhibit will consist of ten (10) 8 x 10 photos showing skill development in one of the following photography areas: Portraiture, Special Effects (not done with computer), Landscape, Photo Journalism, Black and White, Nature/Wildlife or Graphic Design (computer skills with photos). Photos may have been created over multiple project years.
3. Photos may be color except if Black and White option is chosen 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 presented in a notebook designed for portfolio review with pages for required information from #4 and #5.

DIVISION – 4-H PLANT SCIENCE

4-H Crops

1. Crops must be grown by 4-H member this year.
2. Name of hybrid or variety must be listed on the entry tag.
3. Each class will be divided into dryland and irrigated production as needed.
4. Place a label on the outside of the jar and a label in the grain inside the jar.
5. Immature grain sorghum heads will not be penalized for immaturity.
6. Exhibit only the number or amount specified in each class.
7. Entries in classes for fall crops that are selected for a state fair entry, may exhibit mature crops at the Kansas State Fair.

110011 Wheat (1 gallon)

110012 Barley (1 gallon)

110013 Grain Sorghum (5 heads)

110014 Forage Sorghum (10 stalks)

110015 Corn (10 stalks)

110016 Sudan Grass (10 stalks)

- 110017 Rye (1 gallon)
- 110018 Alfalfa (one flake or slice from a small square bale or a 10" section cut from a large bale. Flake should be approximately 6" in thickness and tied with string/twine in 2 directions.)
- 110019 Soybeans (bundle of 5 plants)
- 110020 Soybeans (1 gallon thrashed from previous year's crop)
- 110021 Miscellaneous Crop (1 gallon grain or 10 stalks)

4-H Horticulture

1. Variety of produce must be listed on entry tag.
2. Exhibits must have been grown by 4-H'er.
3. Exhibit only the number specified in each class. 4-H'er may enter 4 entries per class.
4. Exhibits will be judged on their freshness and value as a table product at the time of judging. Over-mature, wilted or over ripe produce will be penalized.

Cut Flowers

- 109011 Annual Garden Flower, cut specimen, single stem
- 109012 Perennial Garden Flower, cut specimen, single stem
- 109013 Fresh Flower Arrangement; flower materials must be grown and/or collected by exhibitor, not purchased.
- 109014 Dried Flower Arrangement; no fabric or plastic materials allowed.

Fruits

- 109021 Small Fruits- - ½ pint box. (example: strawberries, blackberries, etc.)
- 109022 Tree Fruits – plate of 5. (example: apples, pears, peaches, etc.)
- 109023 Grapes – plate of 2 bunches
- 109024 Other Fruit

Vegetables

- 109031 Small Vegetables – plate of 12 (example: green or yellow beans, radishes, etc.)
- 109032 Medium Vegetables – plate of 5 (example: cucumbers, tomatoes, beets, onions, potatoes, etc.)
- 109033 Large Vegetables – plate of 1 (example: watermelon, squash, cabbage, pumpkin, etc.)
- 109034 Fresh Herbs
- 109035 Other Vegetable
- 109036 Garden Display – exhibit consists of 5 different fresh vegetables; only 1 variety of a specific vegetable may be exhibited. Exhibit is limited to 4' square space. The numbers of the 5 vegetables are the same as the classes (1 large, 5 medium, 12 small).

DIVISION – 4-H PRESENTATIONS

1. Grand Champion and Reserve Grand Champion will be chosen for the division.
2. Presentations may be individual or team.
3. The presentations will follow the County 4-H Club Day guidelines.

- 129011 Jr. Demonstration or Illustrated Talk
- 129012 Int. Demonstration or Illustrated Talk
- 129013 Sr. Demonstration or Illustrated Talk
- 129014 Jr. Project Talk
- 129015 Int. Public Speaking
- 129016 Sr. Public Speaking
- 129017 Jr. Show & Tell (intended for 1st and 2nd year members)
- 129018 Jr. Reading
- 129019 Int. Reading
- 129020 Sr. Reading

DIVISION – 4-H READING

4. Posters must be on a piece of poster board or foam board not larger than 22" x 28".
5. Displays are to be self-standing with a maximum size of a 3' x 4' tri-fold display board.
6. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.

7. Project exhibits in this division are NOT eligible for the Kansas State Fair.
8. Please read a book and write a short 3-4 sentence summary of the exhibit on an index card. On the index card, please include the following: book title and author with the title underlined, your name, club name, project, and date. This index card will need to accompany one of the following choices to exhibit:
 - 123012 Poster- advertising the book
 - 123015 Project Display- featuring a timeline showing the works of one author or a map depicting a character's travels
 - 123017 Diorama (shoe box)- a 3D miniature replica of a scene or setting from the book

DIVISION – 4-H SELF DETERMINED PROJECT

1. This division is only for 4-H'ers enrolled in Self Determined Project.
2. Posters must be on a piece of poster board or foam board not larger than 22" x 28".
3. Displays are to be self-standing with a maximum size of a 3' x 4' tri-fold display board.
4. Notebooks should be a 3-ring binder or scrapbook. Page protectors are encouraged.
5. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
6. Project exhibits in this division are NOT eligible for the Kansas State Fair.
 - 128011 Item
 - 128012 Poster
 - 128013 Display
 - 128014 Collection
 - 128015 Notebook or Scrapbook
 - 128016 Other

DIVISION – 4-H SHOOTING SPORTS

1. Only 4-H'ers who have completed basic training in Shooting Sports disciplines may compete in the discipline(s) they are enrolled in.
2. Disciplines and ages:
 - Archery: 7-18 years of age
 - Air Pistol: 12-18 years of age
 - Air Rifle: 7-18 years of age
 - BB Gun : 7-14 years of age
 - Muzzle Loading: 12-18 years of age
 - Hunting Skills: 7-18 years of age
 - Shot Gun: 10-18 years of age
 - Small Bore Pistol: 13-18 years of age
 - Small Bore Rifle: 12-18 years of age
3. Skill Levels are:
 - Novice – 1st year in discipline
 - Intermediate – 2nd & 3rd year in discipline
 - Advanced – 4th year and over in discipline
4. The target will be scored by the certified Shooting Sports instructors & coordinator.
5. Grand Champion and Reserve Grand Champion will be determined by composite scores from all disciplines.

Archery

- 130051 Novice Recurve: 3D targets at varying distances; 10 total arrows. FITA at varying distances: 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.
- 130052 Novice Compound: 3D targets at varying distances; 10 total arrows. FITA at varying distances: 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.
- 130053 Intermediate Recurve: 3D targets at varying distances, 10 total arrows. FITA at varying distances, 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.

- 130054 Intermediate Compound: 3D targets at varying distances, 10 total arrows. FITA at varying distances, 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.
- 130055 Advanced Recurve (13 and under): 3D targets at varying distances, 20 total arrows. FITA at varying distances, 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.
- 130056 Advanced Compound (13 and under): 3D targets at varying distances, 20 total arrows. FITA at varying distances, 12 arrows at 20 meters, 12 arrows at 30 meters, 24 total arrows.
- 130057 Advanced Recurve (14 and over): 3D targets at varying distances, 20 total arrows. FITA at varying distances, 12 arrows at 30 meters, 12 arrows at 40 meters, 24 total arrows.
- 130058 Advanced Compound (14 and over): 3D targets at varying distances, 20 total arrows. FITA at varying distances, 12 arrows at 30 meters, 12 arrows at 40 meters, 24 total arrows.

Air Pistol

- 130061 Novice: Slow fire, 20 shots
- 130062 Intermediate: Slow fire, 20 shots; Silhouettes, 20 shots
- 130063 Advanced: Slow fire, 20 shots; Rapid fire, 20 shots, Silhouettes, 20 shots

Air Rifle

- 130011 Novice: 3 positions, 10-bull targets, 10 shots each position, 30 shots total
- 130012 Intermediate: 3 positions, 10-bull targets, 10 shots each position, 20 shots total
- 130013 Advanced (13 and under): 3 positions, 10-bull targets, 10 shots each position, 20 silhouette shots, 50 shots total
- 130014 Advanced (14 and over): 3 positions, 10-bull targets, 10 shots each position, 20 silhouette shots, 50 shots total

BB Gun

- 130041 Novice: 2 positions, prone and kneeling or sitting, 10-bull targets, 10 shots each position, 20 shots total
- 130042 Intermediate: 3 positions, kneeling or sitting, 10-bull targets, 10 shots each position, 30 shots total
- 130043 Advanced: 4 positions, 10-bull targets, 10 shots each position, 40 shots

Hunting Skills

- 130091 Novice: Written test & score from 1 discipline shot at Fair.
- 130092 Intermediate: Written test & scores from 2 disciplines shot at Fair.
- 130093 Advanced (13 and under): Written test & scores from 3 disciplines shot at Fair.
- 130094 Advanced (14 and over): Written test & scores from 4 disciplines shot at Fair.

Muzzle Loading

- 130031 Novice: 10 bench shots at 25 yards (100 points)
- 130032 Intermediate: Standing, 10 shots at bull targets at 50 yards, 5 shots Heftners at 25 yards, and 5 shots at bottles at 25 yards – total 20 shots (200 points)
- 130033 Advanced: Standing, 10 shots at bull targets at 50 yards, 10 shots Heftners at 25 yards, and 10 shots at bottles at 25 yards – total 30 shots (300 points)

Shotgun

- 130021 Novice: 50 shots at 16 yards
- 130022 Intermediate: 25 shots at 16 yards and 25 shots at 20 yards, total 50 shots
- 130023 Advanced (13 and under): 25 shots at 16 yards and 25 shots at 20 yards, total 50 shots
- 130024 Advanced (14 and over): 25 shots at 16 yards and 25 shots at 20 yards, total 50 shots

Small Bore Pistol

- 130081 Novice: Slow fire (B-2 targets), 5 shots per bull; 20 shots total
- 130082 Intermediate: Slow fire (B-2 targets), 5 shots per bull; 20 shots. Timed fire, (B-3 targets), 5 shots per bull, 20 shots. 40 shots total.
- 130083 Advanced: Slow fire (B-2 targets), 5 shots per bull; 20 shots. Timed fire, (B-3 targets), 5 shots per bull, 20 shots. Silhouettes (TQ-12 & TQ-3) 2 rams, 2 turkeys, 2 pigs, 2 chickens; 5 shots per animal; 40 shots. Total 80 shots

Small Bore Rifle

- 130071 Novice: 3 positions (A 23/5 target), 10 shots per position; 30 shots total
- 130072 Intermediate: Silhouettes – 10 chickens at 40 meters, 10 pigs at 60 meters, 10 turkeys at 77 meters, 10 rams at 100 meters; 40 shots.

130073 Advanced: 3 positions (A 23/5 target), 10 shots per position, 30 shots. Silhouettes – 10 chickens at 40 meters, 10 pigs at 60 meters, 10 turkeys at 77 meters, 10 rams at 100 meters; 40 shots. 70 shots total

Educational Exhibiter

130099 Shooting Sports Educational Display. Display must be directly related to Shooting Sports project. This is exhibit is eligible for the Kansas State Fair; check with Extension Office for rules and regulations.

DIVISION – 4-H STEM 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 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 STEM Ag Mechanics (welding) project to exhibit in this division.
2. Each exhibitor may enter any number of exhibits per class. Exhibits must have been constructed or repaired during the current 4-H year.
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
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.
6. Each exhibit must be free-standing or sufficiently supported by an exhibitor supplied support system that is moveable and is part of the total demission’s and weight of the exhibit as described previously. Exhibit boards should have a portable and moveable base. No exhibits may be staked to the ground for display.
7. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display.
8. 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 will 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 must include an Ag Mechanics information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
20. Each exhibitor is required to complete the “4-H STEM Ag Mechanics Exhibit Information Form” 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. 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.

Classes

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

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

125550 Welding Display Board. A 3' x 3' display board with different pieces of metal attached illustrating different types of welds, each weld being labeled.

- 125551 Level 1 Welding Ag Repair. Repair of ag equipment with welding.
- 125552 Level 1 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 125553 Level 1 Welding General Repair. Repair of non-ag equipment with welding.
- 125554 Level 1 Welding General Fabrication. Creation of non-ag equipment with welding.
- 125555 Level 1 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 125556 Level 1 Brazing Repair.
- 125557 Level 1 Brazing Fabrication.
- 125558 Smithing Display Board. A 3' x 3' display board with different pieces of forged metal attached illustrating different forms, each form being labeled.
- 125559 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.

- 125560 Level 2 Welding Ag Repair. Repair of ag equipment with welding.
- 125561 Level 2 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 125562 Level 2 Welding General Repair. Repair of non-ag equipment with welding.
- 125563 Level 2 Welding General Fabrication. Creation of non-ag equipment with welding.
- 125564 Level 2 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 125565 Level 2 Brazing Repair.
- 125566 Level 2 Brazing Fabrication.
- 125567 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.

- 125570 Level 3 Welding Ag Repair. Repair of ag equipment with welding.
- 125571 Level 3 Welding Ag Fabrication. Creation of new ag equipment with welding.
- 125572 Level 3 Welding General Repair. Repair of non-ag equipment with welding.
- 125573 Level 3 Welding General Fabrication. Creation of non-ag equipment with welding.
- 125574 Level 3 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.
- 125575 Level 3 Brazing Repair.
- 125576 Level 3 Brazing Fabrication.
- 125577 Level 3 Smithing. A design forged with at least three different formed elements (twists, spirals and bulbs for example).

DIVISION – 4-H STEM ARCHITECTURAL BLOCK CONSTRUCTION

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

Rules

1. 4-H members must be currently enrolled in the Kansas 4-H STEM – Architectural Block Construction project to exhibit in this division.
2. Each exhibitor may enter any number of exhibit. Exhibits must have been constructed during the current 4-H year.
3. Counties are limited to FOUR exhibits to the state fair to insure sufficient space for all exhibitors.
4. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
5. 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. This is to keep exhibit components from being “scattered to parts unknown” at the fair. The outer dimensions of the enclosure are part of the total exhibit dimensions.
6. All components used in construction should be dust free, clean, free of chips, scuffs, or cracks.
7. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®
8. 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.
9. The use of existing “store bought” sets for major elements of the display is not allowed, use of figurines from sets is allowed as are using individual bricks to create something different than the set it came from. “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.
10. Dioramas should be suitably complex and have multiple elements.
11. All dioramas should have a story in the information packet that describes what is happening in the diorama.
12. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method.
13. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, marry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If included judges should be able to use them and instructions should be provided for operation either in the story or on a separate page.
14. Artistic designs, for example recreating art-like paintings or sculptures, are not permitted and one ribbon placing will be deducted, these exhibits should be displayed in arts and crafts.
15. The exhibitor’s name(s) and 4-H club must be tagged or labeled in a prominent location on the display, additionally the display case should have the exhibitor’s information attached to it as well, as the top part of the case may be separated from the display
16. Each exhibit must include an Architectural Block Construction information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit. Packets should contain: 1-5 pages of photos show work, beginning to end. And if appropriate, include operation instructions for mechanical portion.
17. 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. Forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
18. Each exhibit information packet should include the following items:
 - a. At least one drawing of the desired architecture on graph paper, multiple views (top, front, side) are preferred, they do not need to be to scale. Plans encourage organizing the build process so that elements don’t get forgotten. For example, a real house doesn’t get built without plans. Plans also help if a part comes loose on the way to the fair, so staff can figure out where it goes.
 - b. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state, these help in determining where a part might go in case something comes loose.
 - c. If appropriate operating instructions for mechanical portions of the diorama.

Classes

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

125710 Level 1 Diorama. A diorama illustrating at least 2 architectural features beyond floors, ceilings, and walls.

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

125711 Level 2 Diorama. A diorama illustrating at least 4 architectural features beyond floors, ceilings, and walls, and includes 1 or more motion elements.

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

125712 Level 3 Diorama. A diorama illustrating at least 6 architectural features beyond floors, ceilings, and walls, and includes 2 or more motion elements.

Master – Level 4 (10 or more years experience)

125713 Level 4 Diorama. A diorama illustrating at least 8 architectural features beyond floors, ceilings, and walls, and includes 3 or more motion elements.

DIVISION – 4-H STEM ASTRONOMY

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

Rules

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 Any number of exhibits per class. Exhibit must have been completed during the current 4-H year.
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. Each telescope exhibit must include a “4-H Astronomy 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. Forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. You must also include construction plans (or a photocopy) for the telescope and place it inside the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. 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.
8. The telescope must be properly assembled and painted with a smooth and uniform finish.
9. Decals, if used, should be attached smooth and tight.
10. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
11. Exhibitor’s name, 4-H club, age, and year(s) in project must be tagged or labeled in a prominent location on the telescope.

Classes

- 125500 Telescope made from kit.
125501 Telescope made from original design.

DIVISION – 4-H STEM COMPUTERS

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

Rules

1. Any item which IS NOT a notebook, display board, or poster displayed in this class is considered a “computer system” exhibit and MUST follow the rules set forth below.
2. The actual construction of computer hardware (i.e., building a computer, electronic devices with a motherboard-based manipulation) will remain in the Energy Management division.
3. The 4-H members must be currently enrolled in the 4-H STEM – Computers project to exhibit in this division.
4. Exhibitor’s name, county or district, 4-H age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. See the last section for full details about exhibiting posters, display boards and notebooks.

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. All exhibits must be:
 - a. Self-contained on a USB drive (thumb drive, flash drive, jump drive, or other any other name for a small USB storage device; the rules will use "USB drive"). This means that a judge can plug in the USB drive into a computer and run the exhibit as described below.
 - b. OR System -On-A-Chip (SOC) (such as Raspberry Pi) or a Micro-Controller (such as an Arduino or Ozobot) AND is a compact (less than 8"X 8"X 8") system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a "chip system" through the rest of the rules.
8. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
9. "Chip system" may use/include GPIO bread boards or HATs (Hardware Attached on Top) the size of which is not included in the size of the chip system however the total size of the chip system and GPIO devices may not exceed 24"X24"X24" including any protective enclosures.
10. Any attached GPIO devices are not judged for electrical construction or quality as this division is focused on the operational aspects of the system that have automated articulated structures (arms, wheels, grippers, etc.) which the exhibitor constructed, some of these systems can also be classified as a STEM Robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in both divisions.
11. For chip system, all electric components of the system must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for the electrical components.
12. Forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
13. For all computer system entries, the following items are required as part of an exhibit packet:
 - a. A manila envelope with the Computer Exhibit Form, which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit.
 - b. A USB drive labeled with the 4-Hers name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
 - c. For exhibits that are entered on USB drives, at least one (1) graphic (picture, screen shot/capture, slide, etc.) of the project must be printed out on an 8.5" X 11" sheet of paper, placed in a plastic sheet protector, to allow for proper display and recognition. This is what will be displayed during the fair, all other materials will be sent back to the county/district office. On the back side of the graphic the 4-Her's name, and club should be listed.
 - d. Instructions to run any part of the exhibit on the USB drive. (There should be at least three (3) items in your manila envelope: USB drive, graphic and instructions).
14. Each exhibit must be accompanied by a "4-H Engineer's Journal." The engineer's journal should be typed. It can either be included electronically on the USB drive (preferred) or printed and placed in the manila envelope.
 - a. The "4-H Engineer's Journal" should start with a dated entry describing what the 4-H member is trying to accomplish/build.
 - b. The "4-H Engineer's Journal" should conclude with a dated entry describing what the 4-H member achieved in creating. (The start and end many times will be different. The judges are interested in the journey).
 - c. Additional entries in the "4-H Engineer's Journal" should be made as progress occur describing successes and failures; as well as the steps done and any sources of information including links used.
 - d. Pictures can also be included in the "4-H Engineer's Journal" but should not be more than 50% of the entries.
 - e. The "4-H Engineer's Journal" should contain at least one graphic.
 - f. The "4-H Engineer's Journal" must be at least 3 pages in length.
 - g. An example of a "4-H Engineer's Journal" can be found at www.STEM4KS.com.
 - h. The "4-H Engineer's Journal" will comprise 50% of the overall exhibit score. Failure to include a "4-H Engineer's Journal" will result in the exhibit being disqualified.
15. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive. Failure to include a copy of the "source code" may result in up to one ribbon place deduction.
16. Diagrams or decision trees showing the logical flow of the system must be included on the USB drive for all exhibits.
17. For the fair, it is recommended that 4-Hers bring a computer that will run their project to the fair. Operating instructions are still required.

b. Instructions should be written as though you were helping a less techy person, (like a grandparent) use the USB drive with a computer similar to what is described in below. An example of instructions can be found at www.STEM4KS.com
18. Each exhibit must accomplish a specific automated task using a computer, a chip system, URL, or virtual machine (VM).

19. Kansas 4-H STEM has made available Linux Virtual Machines (VMs) that can be downloaded and used to create projects on such as web servers, networking, and many other projects. For more information on how these VMs can be leveraged or to download them visit www.STEM4KS.com. 4-Hers are not required to use the VMs in their projects. They are optional.

20. All licensing should be adhered to for any software used in the exhibit. Failure to do so will result in a reduction of one ribbon placing and may not be considered for Grand or Reserve Grand Champion.

21. The creation of viruses, malware, malicious applications or code, defamatory language or graphics, bullying, or any material that is "mean," "dangerous," or harmful according to the judge's opinion will result in the exhibit being disqualified.

22. Pictures or still graphics created are not eligible for entry as a project in this division and should be entered in the appropriate photography division.

23. Judging will be based on a score sheet which can be found at www.STEM4KS.com. There are four (4) areas each exhibit will be judged on.

They are:

- a. 4-H Engineers Journal (what I learned to make it work)
- b. Instructions (how I help others make it work)
- c. Functionality (does it work)
- d. Diagrams (and code if applicable) (how I think it works)

Classes

Computer System Division

- | | |
|--------|---|
| 125590 | 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'). |
| 125591 | Computer presentation (power point, web page/site, animated graphics such as gifs, etc.) |
| 125592 | Single computer system (web server, database server, etc.) represented as a virtual machine. |
| 125593 | Networked system consisting of two or more virtual machines. |
| 125594 | Chip system - a small (8"X8"X8") programmed physical device that accomplishes a specific task. |

DIVISION – 4-H STEM ROBOTICS

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

Rules

1. 4-H members must be currently enrolled in the Kansas 4-H STEM – Robotics project to exhibit in this division.
2. Each exhibitor may enter any number of robots per class. Exhibits must have been constructed and/or completed during the current 4-H year. The robot must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon robot exhibits which meet State Fair guidelines.
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
4. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer system division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer system projects as the skill is focused on the programming not on the construction of the robot.
5. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displayed in a case (not required or encouraged for the state fair, but strongly encouraged for county fairs) the outside case dimensions may not be more than 26 inches in height, width, or depth.
6. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robots' dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container (Examples: 4" x 4" x 36" or 4" x 8" x 18" or 6" x 6" x 16"). The

container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitor's name(s) and county or district.

7. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.

8. Robots may be powered by an electrical, battery, water, air, or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession, or creation, physical and/or electrical that is intended to inflict damage and/or harm to individuals, animal life, and/or property.

9. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Robotic arms (hydraulic or electric) are allowed. A remote is allowed, provided more than a single action happens when a single button is pressed on the remote, for example "a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds." Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.

10. Each robot must be in working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete its intended task. In the event the robot uses a phone, tablet, or similar device for both programming AND control of the robot a video will be used to evaluate the working condition of the robot.

11. Each exhibitor is required to complete the "4-H STEM Robotics Exhibit Information Form" which is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Forms must be obtained and used that are dated by the State 4-H Office for the current year.

12. The exhibit must include written instructions for operation (the instructions should be written as if they were to tell a grandparent or elderly person how to operate the robot), construction plans, and one to three pages of project photographs.

13. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.).

The device's safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.

14. Exhibitor's name(s) and county or district must be tagged or labeled on the robot such as on the bottom of the robot, exhibit cards are not an acceptable form of labeling.

15. See the last section for full details about exhibiting posters, display boards and notebooks.

Classes

Intermediate Division (Ages 9 – 13 years)

125509 Robot made from a commercial (purchased) kit (no programming, just assembly).

125510 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

125511 Programmable robot made from a commercial (purchased) kit.

125546 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote-controlled device.

125544 Junk Drawer Robotics.

Senior Division (Age 14 years and older)

125313 Robot made from a commercial (purchased) kit (no programming just assembly).

125514 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

125515 Programmable robot made from a commercial (purchased) kit.

125547 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote-controlled device.

125545 Junk Drawer Robotics.

Division D – Team Robotics Project

125517 Robot designed and constructed by two or more 4-H STEM project members. The robot must not be a mere modification of an existing robot kit or plan. The robot may be a programmable type that is made from a commercial (purchased) kit. This division is designed to encourage teamwork and cooperation among fellow 4-HSTEM members. As with many high-tech projects today, no one person designs and builds a robot alone. It takes the brainstorming, planning, problem solving, and cooperation of an entire team to complete a given robotics project.

DIVISION – 4-H STEM ROCKETRY

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

1. 4-H members must be currently enrolled in the 4-H Rocketry program to exhibit in this division.
2. All rockets displayed in this division must be constructed during the current 4-H year.
3. If a rocket qualified for the Kansas State Fair, exhibitors should read the State Fair rules for the Rocketry division as they may be different from those at the county fair.
4. Each exhibitor may enter any number of rockets exhibits that have been constructed during the current year.
5. 4-Hers are to complete and sign the rocketry information form, available from www.STEM4KS.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 from both construction and launch.
 - c. Documentation of any flight damage that occurred.
 - d. Any modifications made to the rocket.
 - 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:
 - g. 5 additional pages of photos are allowed
 - h. Documentation of how the rocket was tested for stability
6. 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.
7. 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.
8. Rockets ARE NOT to be displayed with used or unused rocket engines either in the rocket or as part of the stand.
9. 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.
10. Rockets, except those in the JR division, are not to be "beginner kits" or use prefabricated fin assemblies or pre-finished rockets requiring no painting, these are not acceptable outside the JR division, and should be disqualified
11. 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.STEM4KS.com.
12. Fins and body tubes, except those in the introductory division, are to be filled and sealed with sanding sealer and/or primer or other suitable filler to eliminate the appearance of body grooves and wood grain.
13. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
14. Engine mounts are to be securely attached to the body tube.
15. Any seams on plastic parts are to be sanded smooth.
16. The recovery system (typically a parachute or streamer) should be attached according to the instructions
17. The nose cone is to fit snugly but still allow for easy removal.
18. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions (for example, no painting required), and decals, if used, are applied smoothly.
19. 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.
20. "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.
21. "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.
22. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
23. Original design rockets must be designed by the exhibitor(s).

24. Exhibitor(s) must be 11 years of age (4-H age) or older to enter an original design rocket.
 25. 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.
 26. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying.
 27. A minimum of one additional page must be added to the rocketry information pack detailing the test(s) performed to insure stability. 4-Hers are strongly encouraged to provide as much detail as possible.
 28. Rockets that use more than one 'D' engine or equivalent are considered mid or high-power rockets in 4-H.
 29. Mid and High-Power exhibitors must be at least 14 years of age by January 1 of the current year.
 30. 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 www.STEM4KS.com
 31. Exhibitors in the mid and high-power divisions must hold memberships in either NAR or Tripoli organizations.
 32. 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.
 33. 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.
 34. 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." 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."

Division JR (Ages 7 – 8 years)

- 126011 Rocket made from kit, without pre-assembled fin units. Include plans.
- 126012 Rocket made from "beginners kit." Include plans. Rockets in this class may have pre-assembled fin units. (This class is for first and second year 4-H members to explore the rocketry project).
- 126013 Scale Model Rocket made from kit, include plans.

Division A (Ages 9 – 13 years)

- 126520 Rocket made from kit. Include plans.
- 126537 Scale Model Rocket made from kit. Include plans.

Division B (Ages 11 – 13 years) 9 and 10 year olds may not enter this class.

- 126521 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 126538 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)

- 126525 Rocket made from kit. Include plans.
- 126526 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- 126539 Scale Model Rocket made from kit. Include plans.
- 126540 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.

- 126530 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)

- 126536 Mid or high-power rocket made from kit or original design.

DIVISION – 4-H STEM UNMANNED AERIAL SYSTEM

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

Rules

1. The 4-H members must be currently enrolled in the 4-H STEM project to exhibit in this division.
2. Each exhibitor may enter any number of exhibits per class.
3. The information that accompanies the UAS must be limited to the 4-H STEM 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 www.STEM4KS.com . Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon. Forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
4. Exhibitor's name, 4-H club, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. Unmanned Aerial System that include or depict weaponry of any kind will be disqualified.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. If modifications are made to the exhibit a page should be attached noting those modifications.
8. 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.

125701 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.

125702 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.

Senior Division (Ages 14 and older)

125706 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.

125707 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.

Division – 4-H STEM EDUCATIONAL EXHIBITS

(Posters, Notebooks, and Display Boards)

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

Rules

1. The General Exhibit rules for ALL categories apply.
2. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
3. Exhibits are to have a clear link to the STEM areas of astronomy, computers, rocketry, robotics, or unmanned aerial systems, educational exhibits outside of these STEM areas should be displayed in the other program areas
4. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
5. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have increased while completing the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet available at www.STEM4KS.com. For example, a

rocket that may have crashed and/or is highly damaged may be made into an educational display or poster that tells a great story with many lessons learned.

6. 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.

7. 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 Fair conditions.

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. This is for safety reasons and includes both spent and live engines.

12. Exhibitor's name, 4-H club, 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, 4-H club, 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.

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.

e. Be related to Astronomy. Computer System, Robotics, Rocketry, or Unmanned Aerial System.

f. As well as those characteristics described above.

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.

Astronomy – Intermediate Division (Ages 9 – 13)

125731 Junior Astronomy Educational Display

125732 Junior Astronomy Educational Notebook

125733 Junior Astronomy Educational Poster

Astronomy – Senior Division (Ages 14 years and older)

125736 Sr Astronomy Educational Display

125737 Sr Astronomy Educational Notebook

125738 Sr Astronomy Educational Poster

Rocketry – Intermediate Division (Ages 9-13)

125741 Int Rocketry Educational Display

125742 Int Rocketry Educational Notebook

125743 Int Rocketry Education Poster

Rocketry – Senior Division (Ages 14 and older)

125746 Sr Rocketry Educational Display

125747 Sr Rocketry Educational Notebook

125748 Sr Rocketry Education Poster

Robotics – Intermediate Division (Ages 9-13)

125756 Int Robotics Educational Display

125757 Int Robotics Educational Notebook

125758 Int Robotics Education Poster

Robotics – Senior Division (Ages 14 and older)

125761 Sr Robotics Educational Display

125762 Sr Robotics Educational Notebook

125763 Sr Robotics Education Poster

Robotics – Team Robotics Project

125766 Team Robotics Education Display

125767 Team Robotics Educational Notebook

125768 Team Robotics Educational Poster

Computers – Intermediate Division (Ages 9-13)

125771 Int Computers Educational Display

125772 Int Computers Educational Notebook

125773 Int Computers Education Poster

Computers – Senior Division (Ages 14 and older)

125776 Sr Computers Educational Display

125777 Sr Computers Educational Notebook

125778 Sr Computers Education Poster

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

125781 Int Unmanned Aerial System Educational Display

125782 Int Unmanned Educational Notebook

125783 Int Unmanned Education Poster

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

125786 Sr Unmanned Aerial System Educational Display

125787 Sr Unmanned Aerial System Educational Notebook

125788 Sr Unmanned Aerial System Education Poster

DIVISION – 4-H VISUAL ARTS & CRAFTS

1. A 4-H'er may enter 4 entries per class with a limit of 7 entries per 4-H Visual Arts & Crafts Division.
2. Exhibit that is to be hung should be appropriately framed/mounted with hangers attached so it can be displayed as such.
3. Designate on entry tag and label if work is considered to be original in design (not a kit, did not use a pattern or copy another person's idea, etc.)
4. 4-H member may display exhibits only in classes in which they are enrolled.
5. One item from each of the 5 categories will be selected for the Kansas State Fair. (Fine Arts, Clay & Ceramics, Leather & Jewelry, 3-Dimensional, and General Crafts)

Junior (7-9 years old)

120001 Paper Construction (Cut & Paste)

120004 Printing

120005 Fiber

120006 Crafts

120007 Carving

120008 Leather, kit

120009 Flower Arrangement (dried, silk, plastic, etc.)

120011 3-D Construction

120012 Jewelry

120013 Glass

120014 Recycled Materials

120015 Holiday

120016 Other – small

120017 Other - large

Intermediate (10-13 years old)

120023 Printing

120024 Fabrics or Fibers

120025 Leather, kit

120026 Crafts

120027 Carving

120028 Flower Arrangement (dried, silk, plastic, etc.)

120030 3-D Construction

120032 Jewelry

120034 Glass



- 120035 Recycled Materials
- 120036 Holiday
- 120037 Other – small
- 120038 Other - large

Senior (14-18 years old)

- 120205 Carving
- 120206 Leather, kit
- 120207 Leather, original
- 120208 Crafts
- 120209 Flower Arrangements (dried, silk, plastic, etc.)
- 120211 3-D Construction
- 120212 Jewelry
- 120214 Fabrics & Fibers
- 120215 Glass
- 120216 Recycled Materials
- 120218 Holiday
- 120219 Other – small
- 120220 Other – large

Misl. (all ages groups)

- 500600 Barn Quilt Contest (see Special Contests)
- 500250 Lego Contest (see Special Contests)

DIVISION – 4-H FINE ARTS

1. A 4-H'er may enter 4 entries per class with a limit of 7 entries per 4-H Fine Arts Division.
2. Exhibit that is to be hung should be appropriately framed/mounted with hangers attached so it can be displayed as such. All exhibits must have a wire or sawtooth hanger attached for hanging. (no string and tape)
3. Designate on entry tag and label if work is considered to be original in design (did not use a pattern or copy another person's idea, etc.)
4. 4-H member may display exhibits only in classes in which they are enrolled.
5. One or two items will be selected for the Kansas State Fair. Those items will not be judged at the Kansas State Fair; they are only for display. The State 4-H Office sets the number of items that may be entered by each county according to the 4-H enrollment numbers.

Junior (7-9 years old)

- 135001 Drawing or Painting
- 135002 Sculpting
- 135003 Ceramics
- 135004 Pottery
- 135005 Pottery - Wheel Thrown
- 135006 Other

Intermediate (10-13 years old)

- 135011 Drawing or Painting
- 135012 Sculpting
- 135013 Ceramics
- 135014 Pottery
- 135015 Pottery – Wheel Thrown
- 135016 Other



Senior (14-18 years old)

- 135021 Fine Arts (Oil, Acrylic, or Mixed Media)
- 135022 Fine Arts (Watercolor)
- 135023 Fine Arts (Charcoal, Ink, or Pencil Drawing)
- 135024 Fine Arts (Other)
- 135025 Sculpting

- 135026 Ceramics
- 135027 Pottery
- 135028 Pottery – Wheel Thrown
- 135026 Other

DIVISION – 4-H WILDLIFE

1. See General Regulations – 4-H Section
 2. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS. It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds. Game birds and game animals taken legally during an open season may be used. The use of live wild animals in educational exhibits is prohibited.
 3. Posters must be on a piece of poster board or foam board not larger than 22” x 28”.
 4. Displays are to be self-standing with a maximum size of a 3’ x 4’ tri-fold display board.
 5. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work. Copyrighted and/or trademarked materials used in exhibits for endorsements or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium.
- 123012 Project Poster- (Juniors, 7-9 & Intermediates, 10-13) Must be related to something learned in the wildlife project, i.e. types of traps, track identification, habitats of species, types of fishing lures, etc.
 - 123015 Project Display (Seniors, 14-18) Must be related to something learned in the wildlife project, i.e. life cycle of species, animal adaptations, food sources of Kansas wildlife, food chain illustration, etc.
 - 123011 Taxidermy/Tanning Exhibit. Exhibitor should include an attachment that shows the work in progress through photos with captions, or a detailed journaling of the process.

DIVISION – 4-H WOOD WORKING

1. See General Regulations – 4-H Section.
2. Any number of entries may be made per class.
3. A drawing or plan must accompany all woodworking exhibits. It may be the original blueprint or a hand drawing; it must show dimensions. The plan or drawing must be complete to the extent that a duplicate article could be built using the plan as a guide.

Wood Working

- 112011 Articles for Farm/Shop use
- 112012 Lawn or Household Furniture
- 112013 Article made with recycled wood
- 112014 Wood Craft
- 112015 Other Articles

