



2026

4-H & OPEN CLASS FAIR BOOK



**EDWARDS COUNTY
FAIRGROUNDS**

13TH & NILES AVENUES
KINSLEY, KS

2026 Edwards County Fair Board:

Addie Coss	Clayton Cross
Caleb Heinz	Kelsey Holguin
Jorge Holguin	Kimberly Stegman
Lisa Stuckey	Matthew Werth



21 Central District Extension Staff

Trisha Greene	District Coordinator
Jennifer Gleason	Family & Community Wellness Agent
Baley Doggett	Agriculture & Natural Resources Agent
Jewell Overby	4-H & Youth Development Agent

Edwards County Fair Grounds

1305 Niles Avenue

21 Central District Extension Office

212 E. 6th Street

Kinsley, KS 67547

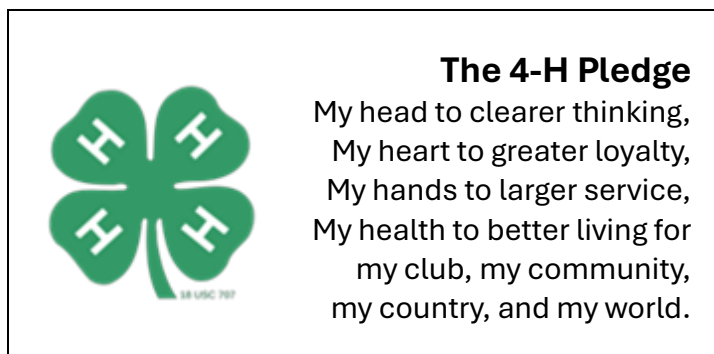
620-659-2149

Accessibility

The Department of 4-H Youth Development, K-State Research and Extension, Edwards County K-State Research and Extension, and the Edwards County Fair are committed to making their services, activities, and programs accessible to all participants. Accommodations may be requested by contacting the 21 Central District K-State Extension Office at least two weeks prior to the start of the Edwards County Fair at trishagreene@ksu.edu or 620-227-4542. Requests received after this date will be honored when feasible.

Liability of Exhibitors and General Public

In no case shall the Edwards County Fair or any of its officers be held responsible for damages, loss, injury, death, or disability by disease or from theft or from any other cause to any such property or to any person at the Edwards County Fairgrounds. The Edwards County Fair hereby refuses to assume any responsibility for the safety as bailee or otherwise, or any property brought upon the Edwards County Fairgrounds, said property being brought upon and kept upon said grounds at the owner's risk. The management reserves the right to exclude from the grounds any person or persons whom they deem undesirable or expel from the grounds such person. Any project condoning or promoting the use of alcoholic beverages or illegal drugs will not be accepted for exhibition. The Edwards County Fair's primary audience consists of families and youth. We reserve the right to reject any entry that may be considered objectionable by that audience.



2026 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. **Fair Pre-entries are due by Friday, June 12th, through the FairEntry program. Pre-entries are required for all 4-H Exhibits for the 2026 Edwards County Fair.** This includes all livestock and non-livestock. *(If you are unsure what you want to take to the Fair, enter anything and everything that you might possibly take.)*
3. **4-H members may display exhibits only in classes pertaining to the projects in which they are currently enrolled.**
4. 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.
5. 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: 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.
6. All classes may have unlimited entries per class unless the Division rules state otherwise.
7. 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.
8. See General Health Requirements Section. **All animals will be inspected in the trailer BEFORE unloading at the Fair.**
9. 4-H'ERS MAY NOT EXHIBIT MORE THAN TWO ANIMALS IN ANY ONE CLASS except Dog and Horse (**only 1 animal per class**).
10. 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.
11. 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.
12. All 4-H exhibits will be judged consultatively with 4-H members present. Parental assistance during this process is not allowed.
13. Placing possibilities in each class are: Purple, Blue, Red, and White, based on the 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.
14. Animals, articles, or products not listed in the premium book will be ineligible to compete for prizes.
15. Superintendents will have full charge of their division. Superintendents will enforce the Division's rules. Failure to follow the rules and regulations could result in disqualification. 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.

16. All exhibits will be released by respective superintendents according to the Fair schedule.
17. Exhibits that qualify for entry at the Kansas State Fair will be designated by a purple ribbon placement. EXCEPTION: Visual Arts, Fine Arts, Beef, Goats, Swine, Sheep, and Horses. Those guidelines are set by the State 4-H Office.
18. **4-H'ers must be 9 – 18 years of age by January 1st of the current year to be eligible to participate at the Kansas State Fair.**
19. No special prizes will be solicited or awarded in any division unless authorized by the Edwards County Fair Board.
20. Any unnecessary horseplay on the Fairgrounds will result in the forfeiture of all premium money.
21. 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, nor employees will be responsible for loss, theft, or damage to personal property on the Fairgrounds.
22. 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.
23. No live ammunition will be allowed to be displayed.
24. Projects with "fractal burning" are NOT ALLOWED in any Edwards County Fair exhibits. (An example would be electrical burning to wood to make black linework on artwork. This is in agreement with recommendations from the American Association of Woodturners (AAW).
25. The Edwards County Fair Board reserves the sole and absolute right to construct its own rules and regulations and to determine all matters of deference arbitrarily, in regard thereto.
26. Grievance Policy: All grievances must be in writing and accompanied by a \$50 filing fee. The Edwards County Fair Board will act upon a written grievance within 48 hours of filing.
27. The Edwards County Extension Council staff will make every effort to transport the qualified exhibits to the Kansas State Fair. However, due to a lack of space, those desiring to exhibit bulky items may need to transport their own exhibits

Edwards County Fair 4-H Premium System

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

The total points earned on all 4-H exhibits will be divided among 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 entities represented 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 it considers most equitable.

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. The sale order will be determined by ribbon placement.
5. Animals or foods not of acceptable quality will not be allowed to be sold.
6. A 3% commission will be withheld from all auction sales.
7. 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.
8. 4-H'ers need to turn in a completed 4-H Record Book in order to sell at the Auction. Those who do not comply will not be able to sell at the auction the following year.
9. Animals must meet minimum weight requirements as determined by the Edwards County Fair Board to sell in the Premium Auction.

4-H LIVESTOCK EXHIBIT INFORMATION

Domestic Animal Limited Liability Law

The Edwards County Fair is conducted in compliance with the "Assumption of Risk of Domestic Animal Activity."

WARNING! Under Kansas law, there is no liability for injuries to or the death of a participant in domestic animal activities resulting from the inherent risks of those activities, pursuant to K.S.A. 60-4001 through 60-4004. You are assuming the risk of participating in this domestic animal activity.

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 buttoned 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 the State 4-H Horse Show Rule Book.
3. Parents will not be allowed to assist 4-H'ers in the show ring **UNLESS** the safety of the 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. **Only Edwards County Fair Board members, ring stewards, and older 4-H members are allowed to handle animals coming in and out of the show ring.** Family, friends, livestock breeders, and groomers are NOT allowed access to the animal until it is completely beyond the show ring gate. A safe distance from the gate is to be observed by all not participating in the current livestock show.
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), and the use of any substance to color hair (or wool). Adhesives, paints, and powders are NOT allowed.

14. Unethical fitting of show animals is not allowed. The exhibit must be the exhibitor's handiwork. Only immediate family members and/or other 4-Hers are permitted to assist the exhibitor while at the fair. The purpose of this rule is to promote the youth program as a learning experience for the youth. Any person who is NOT an immediate family member or current Kansas 4-H member shall be deemed a "livestock helper." Livestock helpers may only assist in the grooming and/or care of the animals IF the exhibitor is both present and participating in the care and/or grooming of their animal.
15. **In order to participate in the Livestock Rate of Gain Contest, 4-H exhibitors' market animals must be present at the Spring County Weigh-in and County Fair Weigh-in dates.**
16. Grievance Policy: All grievances must be in writing and accompanied by a \$50 filing fee. The Edwards County Fair Board will act upon a written grievance within 48 hours of filing.
17. 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.)

For exhibitors requesting an early release, an Early Release Form must be completed before the fair, and the 4-H'er, parent, and superintendent must sign it. The 4-H'er will forfeit all premium money for that project. These forms are available from the Extension Office. The 4-H'er is responsible for cleaning the 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.

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 mucus, 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 be 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.
- ✿ Animals showing signs of being in heat are allowed to be given hormone medication to suppress symptoms. Exhibitor must inform the veterinarian, Livestock Superintendent, and Edwards County Fair Board before medication is injected into the animal.

Specific Requirements for:

CATTLE: For cattle originating in Kansas, cattle must meet General Health Requirements and be free of any lesions of ringworm, warts, or be free of mange. All cattle showing these signs/symptoms will not be permitted to exhibit.

SHEEP AND GOATS: Animals must meet General Health Requirements and 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 who are accompanying their dams or does and possess a tag are exempt from identification requirements.

SWINE: All swine must meet the General Health Requirements.

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 must meet General Health Requirements. All poultry, except for waterfowl, must show proof that they are pullorum-typhoid free by one of the following:

- Originates 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 at each county fair at a minimum once every 5 years. Pullorum-Typhoid Testing will occur in Edwards County in 2027.

All birds must be free of any evidence of disease.

For birds originating from other States, please contact the Extension Office for KDA Recommended Requirements.

RABBITS: All rabbits must meet the General Health Requirements and be free from signs of disease. Rabbits must also have a tattoo for identification.

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 parvo. 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 vet.

ALL OTHER CREATURES, LARGE & SMALL: Free from signs of disease, and current on vaccinations if needed. Animals 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 that many contagious diseases in animals can also affect humans. Take precautions, such as frequent handwashing and avoiding eating while working with livestock, to reduce the transmission of such diseases.

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

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 must have completed the 4-H Volunteer Screening process.
3. Parents are responsible for notifying 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.



ANIMAL 4-H PROJECTS

4-H HERDSMANSHIP

(All species)

1. A special herdsmanship contest will award an individual 4-H member excelling in both pen cleanliness and club teamwork during the Edwards County Fair in the following areas: Beef Barn, Sheep/Goat/Swine Barn, and Rabbit/Poultry/Horse Barn.
2. The purpose of this contest is to provide an incentive to keep the livestock barns presentable at all times to the public. Teamwork is encouraged among club members. Everyone's assistance is needed to help make this a fun and fair competition.
3. Each livestock exhibitor in beef, dairy, meat goats, swine, sheep, horse, poultry, and rabbits will be assigned a stall or pen for their animals. These will be assigned at check-in and, if possible, grouped by club.
4. The Herdsmanship Contest will run from Fair Check-in through Fair Check-out. Exhibit areas will be judged once a day. Points will be awarded and totaled daily, and daily club winners will be announced for each barn.
5. The total points (for each day) will be added together at the end of the Edwards County Fair, and the Herdsmanship Award will be given to the individual with the most points.
6. Judging criteria:
 - a. CLEANLINESS of ALLEY, STALLS, AND PENS
 - i. Bedding adequate, dry, clean, and in place;
 - ii. Manure hauled out and deposited in designated areas;
 - iii. Alleyways swept clean, free of dust, sand, wood chips, hay, and manure;
 - iv. Watering pans/buckets and drains kept clean;
 - v. Feed boxes and gear stored in proper areas.
 - b. APPEARANCE OF ANIMALS AND STALL CARDS
 - i. Animals clean and brushed;
 - ii. Animals securely tied or penned;
 - iii. Readable stall cards and/or club banners;
 - iv. Neatly arranged stall cards or decorations;
 - v. Clean and complete information on stall cards.
7. Scoring will be based upon the following

Cleanliness of Alley, Stalls, and Pens	10 points
Appearance of Animals	10 points
Stall Cards/Club Decorations	<u>5 points</u>
TOTAL POINTS	25 points

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. Bucket calves will NOT participate in Junior or Intermediate Beef Showmanship Classes.
4. 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
5. Dress code will be enforced – see General Rules of 4-H Livestock Exhibits.
6. Classes will be listed under each respective division.

4-H LIVESTOCK RATE OF GAIN CONTEST

The Rate of Gain factors in the Average Daily Gain (ADG = pounds of weight gained/number of days on feed) of an individual animal over the 80+ day period between spring weigh-in and County Fair weigh-in. A rate of gain contest will be held for all animals that were weighed in at the Spring County weigh-in and the County Fair weigh-in. Animals that meet the qualifications will be automatically entered. To qualify, animals must:

1. Be weighed in at both the Spring County Weigh-in & County Fair Weigh-in.
2. Be a market animal.

Ties will be broken by using the placings from the market show.

DEPARTMENT 1: 4-H/FFA 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 the 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 family group and 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.

Division A: Beef Showmanship

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|------------|--------------------------------------|
| 100 | Senior Beef Showmanship |
| 101 | Intermediate Beef Showmanship |
| 102 | Junior Beef Showmanship |

Division B: Market Beef

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| 103 | Market Steer |
| 104 | Market Heifer |
| 105 | Commercial Pen of 3 |
| 106 | Beef Rate of Gain |

Division C: Breeding Heifers

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| 107 | Heifer Calf , calved Jan. 1 st or after the current year (not bucket fed) |
| 108 | Early Yearling Heifer , calved between Jan. 1 st and June 30 of the previous year |
| 109 | Late Yearling Heifer , calved between July 1 st and Dec. 31 st of the previous year |
| 110 | Heifer or Cow , calved before Jan. 1 st of the previous year |
| 111 | Cow with Calf at side : cannot be shown in any other class. Must be shown at halter. |

DEPARTMENT 2: 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 the 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 judges' questions in the show ring.
 - B. 50% Showmanship – A 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.) 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, based on quality merits.

Division A: 1st Year Bucket Calf

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| 200 | Member's age 7-9 years old as of Jan. 1 of the current year |
| 201 | Member's age 10-12 years old as of Jan. 1 of the current year |

Division B: 2nd Year Bucket Calf

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| 202 | 2 nd Year Bucket Calf – Market Steer |
| 203 | 2 nd Year Bucket Calf – Market Heifer |
| 204 | 2 nd Year Bucket Calf – Breeding Heifer |

DEPARTMENT 3: 4-H DAIRY

1. Calves and heifers must have been owned or under the full responsibility of the member by May 1 of the current year.
2. Any leased animals must be cared for by the exhibitor by May 1. All grade and leased animals must have completed the "4-H Grade Dairy Cattle Leasing Identification Form" on file with the 21 Central District Extension Office by May 1.
3. Producing cows must have been the responsibility of the exhibitor at least one year previous to this show.
4. Only female animals may be shown.
5. An exhibitor may not show more than three dairy animals and one dairy bucket calf.
6. Non-producing animals will not be shown with producing animals. All exhibitors of cows in milk should be prepared to milk the cow in the show ring if the judge or superintendent requests.
7. Any cow in milk may be brought on the day of the show, shown, and taken home. Dry cows and heifers are to remain on the fairgrounds through the entirety of the Fair.
8. Breed champion will be recognized if the animal is of blue-ribbon quality and if a minimum of 5 animals per breed are shown. The following breeds will be recognized: Jersey, Brown Swiss, Milking Shorthorn, Holstein, Guernsey, and Ayrshire. Breed winners will be shown together for the championship placement.
9. If there is less than one animal per breed in a class, they will be combined with other classes at the discretion of the Livestock Superintendent.
10. Producing cows need not be housed on the fairgrounds. They may be taken home immediately after the show.
11. No adhesives, paint, or hair additions are allowed.
12. It shall be assumed that all animals are free of TB and Brucellosis. Therefore, no health papers will be required. However, health papers will be required to show at the State Dairy Show in Salina and the Kansas State Fair.
13. A Bucket Calf may be shown as beef or dairy, but not both. Dairy steers must meet all Market Beef requirements and be shown during the Market Beef Show.
14. Bucket Calves may not be shown in showmanship.

Division A: Dairy Showmanship

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|------------|---------------------------------------|
| 300 | Senior Dairy Showmanship |
| 301 | Intermediate Dairy Showmanship |
| 302 | Junior Dairy Showmanship |

Division B: Dairy Heifers

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|------------|--|
| 303 | Heifer Calf , calved Jan. 1 st or after within the current year |
| 304 | Early Yearling Heifer , calved between Jan. 1 st and June 30 of the previous year |
| 305 | Late Yearling Heifer , calved between July 1 st and Dec. 31 st of the previous year |
| 306 | Heifer or Cow : calved before Jan. 1 st of the previous year; 2 years and older |
| 307 | Cow with Calf at side : cannot be shown in any other class. Both must be shown at halter |

DEPARTMENT 4: 4-H DAIRY GOATS

Breeding classes will be females only. Market animals cannot be shown in breeding classes.

Division A: Dairy Showmanship

- | | |
|------------|--|
| 400 | Senior Dairy Goat Showmanship |
| 401 | Intermediate Dairy Goat Showmanship |
| 402 | Junior Dairy Goat Showmanship |

Division B: Dairy Goats

- | | |
|------------|---|
| 403 | Junior Doe , birth date from Jan. 1 st of the current year to the show date |
| 404 | Junior Doe , Dry Yearling |
| 405 | Senior Doe , 2 years old and under, lactating or who has lactated |
| 406 | Senior Doe , 3 years old and over, lactating, or who has lactated |

DEPARTMENT 5: 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 on the date of the show to enter obedience.
4. It will be required to present proof of health immunization at the 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 on how well the dog is groomed and on the handler's presentation of the dog. Exhibitors may only show 1 dog per class.
8. Showmanship entries will be judged on the fitting of the dog (clean, coat well-brushed, condition of coat, healthy appearance, teeth, toenails, and eyes). The handler will be judged on alertness, grace, ease, coordination with the dog, and the dog's reaction to the handler, with a straight, even gait and movement.
9. Agility classes are divided by 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.

Division A: Obedience

- 500** **Sub-Novice 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*)
- 501** **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*)
- 502** **Novice** – For all 4-H'ers and dogs 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 – 1 minute off leash, Long Down – 3 minutes off leash*)
- 503** **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 for 5 minutes*)
- 504** **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 for 3 minutes, Long Down – member out of sight for 5 minutes*)
- 505** **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 for 3 minutes, Long Down – member out of sight for 5 minutes*)

Division B: Dog Showmanship

- 506 **Senior Dog Showmanship**
- 507 **Intermediate Dog Showmanship**
- 508 **Junior Dog Showmanship**

Division C: Rally

- 509 **Rally – Level 1**
- 510 **Rally – Level 2**
- 511 **Rally – Level 3**

Division D: Agility

- 512 **Beginning Agility** – On Leash – For dogs who are still working at the Pre-Novice Level.
- 513 **Agility 1** – For 4-H members and dogs who have NOT (in the previous 4-H year) earned two qualifying scores of 190 points or greater (purple ribbons) in Agility 1 under certified Agility 4-H judges at local, multi-county, or state 4-H competitions.
- 514 **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 1 under certified Agility 4-H judges at local, multi-county, or state 4-H competitions.
- 515 **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 2 under certified Agility 4-H judges at local, multi-county, or state 4-H competitions.

DEPARTMENT 6: 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 the Dress Code rules in the Kansas 4-H Horse Show Rule Book.
7. Walk/Trot entrants cannot enter any other performance classes that require a lope or any timed event class.

Division A: Horse Showmanship

- | | |
|-----|--------------------------------|
| 600 | Senior Horse Showmanship |
| 601 | Intermediate Horse Showmanship |
| 602 | Junior Horse Showmanship |

Division B: Halter

- | | |
|-----|--|
| 603 | Mares at Halter (all breeds/all ages) |
| 604 | Geldings at Halter (all breeds/all ages) |

Division C: Performance

- | | |
|-----|---------------------------------------|
| 605 | Junior Walk/Trot Western Pleasure |
| 606 | Senior Western Pleasure |
| 607 | Intermediate Western Pleasure |
| 608 | Junior Western Pleasure |
| 609 | Junior Walk/Trot Western Horsemanship |
| 610 | Senior Western Horsemanship |
| 611 | Intermediate Western Horsemanship |
| 612 | Junior Western Horsemanship |
| 613 | Senior Trail |
| 614 | Intermediate Trail |
| 615 | Junior Trail |
| 616 | Senior Reining |
| 617 | Intermediate Reining |
| 618 | Junior Reining |

Division D: Timed Events

- | | |
|-----|----------------------------|
| 619 | Senior Barrel Racing |
| 620 | Intermediate Barrel Racing |
| 621 | Junior Barrel Racing |
| 622 | Senior Pole Bending |
| 623 | Intermediate Pole Bending |
| 624 | Junior Pole Bending |
| 625 | Senior Flag Race |
| 626 | Intermediate Flag Race |
| 627 | Junior Flag Race |
| 628 | Senior Key Race |
| 629 | Intermediate Key Race |
| 630 | Junior Key Race |
| 631 | Senior Fun Class |
| 632 | Intermediate Fun Class |
| 633 | Junior Fun Class |

DEPARTMENT 7: 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 the 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 family group and maintained at the same livestock facility.

Division A: Goat Showmanship

- | | |
|-----|-------------------------------|
| 700 | Senior Goat Showmanship |
| 701 | Intermediate Goat Showmanship |
| 702 | Junior Goat Showmanship |

Division B: Meat Goat

- | | |
|-----|-----------------------|
| 703 | Market Meat Goat |
| 704 | Pen of 3 Market Goats |
| 705 | Rate of Gain |

Division C: Breeding Goats

- | | |
|-----|--------------------------|
| 706 | Breeding Doe – Meat Type |
|-----|--------------------------|

DEPARTMENT 8: 4-H PET PROJECT

1. Pets must have a health certificate from a licensed veterinarian and proof of vaccinations.
2. Refer to the fair schedule for the time and location of the show.
3. Pets will be judged on: appropriateness of the pet, cleanliness of the pet, knowledge of the 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.

Division A: Pets

800	Kitten (under 1 year of age)
801	Cat
802	Puppy (under 1 year of age)
803	Dog
804	Hand Pet
805	Bird
806	Aquarium Pet
807	Reptile or Amphibian
808	Other

DEPARTMENT 9: 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 originates from a pullorum-typhoid clean or the equivalent flock, the 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). An old bird is defined as 1 year old or older from the date of birth (hatch). Please list the date of birth (hatch) on the entry form.
7. 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.)
8. Poultry food and water are to be hung on the sides of cages, not spread along the floor of the cages.
9. 4-H'ers need to be present at judging.
10. Each exhibitor is limited to 1 dozen eggs in each egg class. Eggs are to be displayed in an egg carton.
11. A 4-H'er may sell 1 animal at the livestock premium auction, but the animal will no longer be eligible for show.

Division A: Poultry Showmanship

- 900 Senior Poultry Showmanship**
- 901 Intermediate Poultry Showmanship**
- 902 Junior Poultry Showmanship**

Division B: Poultry

- 903 Standard Breeds, Large Fowl, one young bird** of either sex
- 904 Standard Breeds, Large Fowl, one old bird** of either sex
- 905 Standard Breeds, Bantams, one young bird** of either sex
- 906 Standard Breeds, Bantams, one old bird** of either sex
- 907 Production Pullets**, Pen of 3 (*standard bred, crossbred, or strain cross pullets to be judged on egg production qualities*)
- 908 Production Hens**, Pen of 3 (*standard bred, crossbred, or strain cross pullets to be judged on egg qualities*)
- 909 Dual Purpose Pullets**, Pen of 3 (*such as Rhode Island Red, New Hampshire, Plymouth Rock, etc.*)
- 910 Dual Purpose Hens**, Pen of 3 (*such as Rhode Island Red, New Hampshire, Plymouth Rock, etc.*)
- 911 Meat Pen**, Pen of 3

Division C: Other Poultry

- 912 Turkeys**, all breeds, one bird of either sex
- 913 Ducks**, all breeds, one bird of either sex
- 914 Geese**, all breeds, one bird of either sex
- 915 Exotic Bird**, all breeds, one bird of either sex
- 916 Native Game Bird**, one bird of either sex
- 917 Other Bird**, all breeds, one bird of either sex

Division D: Eggs

- 918 Dozen White Eggs**
- 919 Dozen Brown Eggs**
- 920 Dozen Other Eggs**

DEPARTMENT 10: 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. All rabbits must be tattooed.
4. 4-H'ers need to be present during judging.
5. 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.)
6. 4-H'er may sell 1 animal at the livestock premium auction, but the animal will no longer be eligible for show.

Division A: Rabbit Showmanship

- | | |
|-------------|--|
| 1000 | Senior Rabbit Showmanship |
| 1001 | Intermediate Rabbit Showmanship |
| 1002 | Junior Rabbit Showmanship |

Division B: Rabbits

- | | |
|-------------|---|
| 1003 | Jr. Doe – under 6 months of age, list breed |
| 1004 | Doe – 6 to 8 months of age, list breed |
| 1005 | Sr. Doe – 8 months of age and older, list breed |
| 1006 | Jr. Buck – under 6 months of age, list breed |
| 1007 | Buck – 6-8 months of age, list breed |
| 1008 | Sr. Buck – 8 months of age, list breed |
| 1009 | Meat Pen – all rabbits on one breed, list breed (maximum weight 5 lbs. each) |

Division C: Fur Classes

- | | |
|-------------|---------------------------|
| 1010 | Normal White Fur |
| 1011 | White Satin Fur |
| 1012 | White Rex Fur |
| 1013 | Normal Colored Fur |
| 1014 | Colored Satin Fur |
| 1015 | Colored Rex Fur |

DEPARTMENT 11 – 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. The superintendent will determine classes after the 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 the 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 family group and maintained at the same livestock facility.
6. Classes may be combined or split at the discretion of the superintendent.

Division A: Sheep Showmanship

1100	Senior Sheep Showmanship
1101	Intermediate Sheep Showmanship
1102	Junior Sheep Showmanship

Division B: Market Lambs

1103	Market Lamb
1104	Rate of Gain
1105	Commercial Pen of 3

Division C: Breeding Sheep

1106	Ewe Lamb – born on or after Sept. 1 st of the previous year
1107	Yearling Ewe – born before Sept. 1 st of the previous year
1108	Aged Ewe

DEPARTMENT 12 – 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. The superintendent will determine classes after weigh-in.
4. All hogs must be washed and cleaned before they are checked in at the Edwards County Fair.
5. In the 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 family group and 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.

Division A: Swine Showmanship

- | | |
|------|--------------------------------|
| 1200 | Senior Swine Showmanship |
| 1201 | Intermediate Swine Showmanship |
| 1202 | Junior Swine Showmanship |

Division B: Market Hogs

- | | |
|------|---------------------|
| 1203 | Market Hog |
| 1204 | Rate of Gain |
| 1205 | Commercial Pen of 3 |

Division C: Breeding Gilts

- | | |
|------|--|
| 1206 | January Gilt – born in Jan. of the current year |
| 1207 | February Gilt – born in Feb. of the current year |
| 1208 | March Gilt – born in Mar. of the current year |

GENERAL 4-H PROJECTS

DEPARTMENT 13: 4-H AEROSPACE/ROCKETRY

Rules for ALL Aerospace/Rocketry Categories

1. 4-H members must be currently enrolled in the 4-H Aerospace/Rocketry program to exhibit in this division.
2. Each exhibitor may enter any number of rockets 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 4-H Aerospace/Rocketry Division, as they may be different from those at the Edwards County Fair.
4. All revisions of all forms previously released for the division, either undated or dated before the current year, are void for use, and new forms must be obtained from <http://rocketry.engtech4ks.com/>. The envelope should contain:
 - a. Instructions (original or photocopy) on how to construct the rocket.
 - b. Up to 5 pages of pictures, pictures are to be attached to sheets of paper, from both the construction and launch;
 - c. Documentation of any flight damage that occurred;
 - d. Any modifications made to the rocket except for paint scheme and decals;
 - e. An additional page for altitude calculations if the space on the form is not enough.
 - f. If a rocket kit has been modified structurally, notations need to be given indicating the changes made, by marking the Rocket Exhibit Information Form and by placing notes in the plans. Such modifications require the rocket to be swing-tested and documented to demonstrate stable flight. **Failure to test and report flight stability following modifications will result in a two ribbon placement deduction.** A different paint scheme, changes/reductions in decals, and other non-structural changes are not considered modifications and do not need to be documented.
 - g. One or more photographs of the rocket during construction and at the launch site are required:
 - i. Photographs showing the rocket at the moment of ignition are preferred.
 - ii. Photographs must be mounted on one side of an 8½" X 11" page(s).
 - iii. There must be at least 1 page of photos and no more than 5 pages of photos.
 - iv. Include at least one photo showing the construction, preferably with the exhibitor included.
 - v. Do not include photos of members catching their rockets as they return to earth. This is an unsafe practice and is not recommended or condoned by the Kansas 4-H program.
 - vi. Pictures at the launch site are not required in the event of a burn ban.
5. If a "Burn Ban" is in effect for Edwards County, exhibitors are not required to launch their rocket(s). All requirements for the launching of rockets for the Edwards County Fair (as well as the Kansas State Fair) are suspended for the duration of the ban. Rockets are also not to be launched if conditions are too dangerous to safely launch the rocket. However, rockets should be flown if otherwise possible. Just flying the last stage (the part with the nosecone) of a multi-stage rocket is acceptable.
6. Launches should NOT be conducted in winds above 20 mph and will constitute a disqualification of the rocket exhibit.
7. All rockets must have a safe method of recovery, e.g., parachute, streamer, or tumble recovery. Any rocket without a recovery system will be disqualified.

8. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeters, computer software, and range finders, etc.
9. If a safety violation is noted by the judges, superintendent, or other Extension staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. If deemed appropriate, all information necessary will be given to the NAR and/or TRIPOLI for investigation and possible revocation of membership.

Exhibit Definitions for ALL Rocketry Categories

1. As defined by the National Association of Rocketry (NAR), a scale model is "any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle, that has flown under rocket power." The intent of scale modeling, according to the NAR, "is to produce an accurate, flying replica of a real rocket-powered vehicle that is judged for craftsmanship in construction, finish, and flight performance." (NAR "Model Rocket Sporting Code" 52.1 <https://www.nar.org/USModelRocketSportingCode>)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H Rocketry/Aerospace, a mid-powered rocket is defined as a rocket that uses an 'E', 'F', 'G', or equivalent engine for launch. In addition, rockets also qualify for mid-power if they meet any of the following criteria:
 - a. Are 2-inches or greater in diameter (not including fins) and taller than 3-feet (36-inches including fins) and do not use an engine(s) exceeding 160.01 Newton-seconds of total impulse (an 'H' engine equivalent or above).
 - b. The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds and less than 160.01 Newton-seconds.
4. For the purposes of Kansas 4-H, a high-powered rocket is defined as a rocket that meets any of the following criteria:
 - a. Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch;
 - b. Uses an 'H' engine or larger to launch;
 - c. The total impulse of all engines used in the rocket is greater than 160.01 Newton-seconds of thrust;
 - d. Includes any airframe parts of ductile metal, though the use of ductile metal is strongly discouraged;
 - e. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.;
 - i. Average thrust in excess of 80.01 Newtons;
 - ii. Contain in excess of 125 grams of propellant and are limited to 'H' and 'I' motors only;
 - iii. Uses a hybrid motor or a motor designed to emit sparks.
5. High-power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR or Tripoli and maintaining that certification. This applies to all NAR or Tripoli membership levels. Specifically, the "Formal Participation Procedure" for the "Junior HPR Level 1 Participation Program" as outlined by the NAR, and the "Tripoli Mentoring Program" as outlined by the NAR and the "Tripoli Mentoring Program (TMP)" as outlined by Tripoli.
6. NAR safety codes for launching and construction of all rockets are assumed to be used by all 4-H exhibitors and will be considered during judging.
7. For the purpose of Kansas 4-H Aerospace/Rocketry, NO rockets may be launched using engines totaling more than an 'I' impulse engine or 640 Newton-seconds of total thrust.

Exhibit Rules for ALL Rocketry Categories

1. Rockets, **except those in the JR Division**, are not to be “beginner kits” with prefabricated (molded plastic) fin assemblies and pre-finished rockets requiring no painting are NOT acceptable outside the JR Division and will be disqualified.
2. Rockets entered in the JR Division are not accepted at the Kansas State Fair, due to age restrictions.
3. Exhibits **should NOT** contain any perishable items, such as eggs.
4. Rockets are to be properly assembled according to the assembly instructions.
5. **The rule of “no kits with prefabricated (molded plastic) fin assemblies” does NOT apply to plastic fins that must be manually aligned and do not utilize a fin alignment mechanism, including but not limited to fin alignment rings or spacing blocks.** This rule does NOT apply to fiberglass, Kevlar, composite, or wood fins, especially when used for “through-the-wall” fin attachment techniques that are common in larger rockets. In addition, plastic parts used for decorative or mechanical purposes (e.g., decorative nozzles and moving landing struts) are not considered fins and may be made of plastic. Decorative nozzles, etc., need to be securely fastened and not pose a safety hazard.
6. Angles of fins must fall within a plus or minus 2-degree variation using an approved fin alignment guide (such as KSSTAC 10). An official fin guide is available from <http://rocketry.engtech4ks.com/>.
7. Fins should be rounded or streamlined according to instructions. Additionally, other exposed fin edges can be rounded, unless the directions specifically say to leave them flat. Quality fin rounding beyond that described in the instructions should not result in a ribbon reduction.
8. Fins and body tubes, except those in the introductory division, are to be filled and sealed with putty, sanding sealer, and/or primer or other suitable filler to eliminate the appearance of body grooves and wood grain.
9. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
10. Engine mounts are to be securely attached to the body tube.
11. Any seams on plastic parts are to be sanded smooth.
12. The recovery system (typically a parachute or streamer) should be attached according to the instructions.
13. The nosecone is to fit snugly but still allow for easy removal.
14. To exhibit, the rocket’s support rods must not extend past the tip of the highest nosecone on the model. Support rods must remain in the upright position, 90 degrees to the display base, and do not angle. Support rods may be angled if the rocket itself remains in the upright portion. For example, if the engine tubes are slanted, the best support for the rocket is an angled support post. If the rocket is not perpendicular to the display base, the judge will lower the exhibit by one ribbon placement. The exhibitor’s name (or ID), 4-H Club, and County/District must be labeled on the base.
15. No model may be submitted on a launch pad.
16. **Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an IMMEDIATE disqualification.** If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and cannot be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not possible to make a full and immediate assessment of the rocket's safety during the judging, and safety is paramount. Engines may not be used as display stands hollowed out or otherwise. Engines used as display stands will result in the exhibit being immediately disqualified.

17. Exhibits must be uniformly painted and smoothly finished without “runs,” “orange peel,” or “alligator skin,” or finished as per rocket instructions (for example, no painting required), and decals, if used, are applied smoothly.
18. Model rockets are generally small-to-medium-sized rockets that can be purchased at many hobby stores.

Models are not 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 the rocket. Under no circumstances is the weight of the paint scheme, by itself, sufficient to move the non-scale model from one ribbon placement to another.
19. Flight damage is to be documented by the participant on either the construction plans or an additional sheet of paper titled “Flight Damage” and marked on the 4-H Rocket Exhibit Information Form. The judging of flight damage is to be secondary to all other aspects of the model, and only then may it even be considered. However, flight damage may not, under any circumstances, be grounds for disqualification.
20. Accidental Damage – Any damage to the entry while it is in the custody of the judges, superintendents, or extension staff will not be held against the exhibitor.
21. “Scale Models” entered in the scale model class will be judged based on their paint scheme. The judge may deduct up to one ribbon placement for not following the paint scheme. “Scale Models” displayed in the scale model class must be completed with a majority (greater than 70%) of decals. For all other rockets, decals are optional.
22. Exhibitor(s) must be 11 years of age (4-H age) or older to enter a scratch-built or original-design rocket. Scratch-built or original-design rockets cannot be a modification of a pre-existing kit and must be of original design by the exhibitor. Original Design Rockets must include detailed instructions so that someone can construct the original-designed rocket, just like a kit purchased at the store. Instructions can be as many pages as needed to fully and completely convey construction techniques.
23. Rocket engines SHOULD NOT be used to join multi-stage rockets together. Multi-stage rockets can be displayed without the stages connected. In that case, the final stage (the one with the nose cone) should be placed on the display stand, and the other stages should be attached with a loop of string to the display stand. The different stages must be included to complete the rocketry exhibit. Incomplete exhibits will be deducted at least one ribbon placement. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
24. Rockets that use more than one ‘D’ engine or equivalent are considered mid- or high-power rockets in 4-H.
25. Mid- and High-Power exhibitors must be at least 14 years old by January 1st of the current year.
26. In addition to the information packet for all rockets, a high-power information form is to be completed and placed inside the information packet. This may be downloaded at <http://rocketry.engtech4ks.com/>.
27. Exhibitors in the mid- and high-power divisions must hold membership in either the NAR or the Tripoli organizations.
28. 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 year.
29. 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.

30. For rockets launched using an engine(s) that have 160.1 ('H' engine or the equivalent amount of smaller engines) Newton-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 an engine.
31. Exhibitors may include a video showcasing their project, as well as a walkthrough of any project mechanics. The video must be no more than 8 minutes and must be included on a USB drive. These videos do NOT replace consultative judging. Exhibitors are encouraged to talk with the judge.

Division A: Junior (Ages 7 – 8 years)

Not eligible for the Kansas State Fair.

- 1300 **Rocket (from a kit)** – without pre-assembled fin units, include plans
- 1301 **Rocket (from “Beginners Kit”)** – rockets in this class may have pre-assembled fin units, including plans. This class is for first and second-year 4-H members to explore the rocketry project.)
- 1302 **Scale Model Rocket (from kit)** – include plans

Division B: (Ages 9 – 13 years) - Kits

- 1303 **Rocket (from kit)** – include plans
- 1304 **Scale Model Rocket (from kit)** – include plans

Division C: (Ages 11 – 13 years) – Scratch Built

9 and 10 years old may not enter this class

- 1305 **Rocket Designed by Exhibitor** (not merely a modification of existing kit) – include original plans
- 1306 **Scale Model Rocket Designed by Exhibitor** (not merely a modification of an existing kit) – include original plans and stability testing

Division D: (Ages 14 years and older)

- 1307 **Rocket (from kit)** – include plans
- 1308 **Rocket Designed by Exhibitor** (not merely a modification of an existing kit) – include original plans
- 1309 **Scale Model Rocket (from kit)** – include plans
- 1310 **Scale Model Rocket Designed by Exhibitor** (not merely a modification of an existing kit) – include original plan and stability testing

Division E: (Ages 11 years and older) – Team Built

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

- 1311 **Rocket Designed by 2 or More Exhibitors** (not merely a modification of an existing kit) – include original plans

Division F: Power Rockets (Ages 14 years and older)

- 1312 **Mid- or High-Power Rocket** (from kit or original design)

Aerospace/Rocketry Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to Aerospace/Rocketry.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational display boards, posters, and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on

youth who can demonstrate how their skills have improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://rocketry.engtech4ks.com/>. For example, a rocket that may have crashed and/or been severely damaged can be turned into an educational display or poster that tells a compelling story with many lessons learned.

5. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (Example citation: "Make a Star Finder" <https://spaceplace.nasa.gov/starfinder/en/>)
6. Educational displays are not to exceed 4' high x 3' wide x 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
7. "Construction Kits" that are part of educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 2' x 2' x 2' and must have a latch that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
8. Educational Project notebooks must be organized in a 3-ring binder or similar book.
9. Posters are limited to commercial 3' x 4' tri-fold display boards and may not be thicker than 2 inches.
10. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute immediate disqualification. This is for safety reasons and includes both spent and live engines.
11. Exhibitor's name or ID, 4-H club, age, and year(s) in project must be tagged or labeled on the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.
12. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme;
 - b. What you want others to learn;
 - c. Be designed and constructed in a manner befitting the exhibit;
 - d. Be something you are interested in.
13. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

Division G: Rocketry – Intermediate Educational Division (Ages 9-13)

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|------|------------------------------------|
| 1313 | Int. Rocketry Educational Display |
| 1314 | Int. Rocketry Educational Notebook |
| 1315 | Int. Rocketry Educational Poster |

Division H: Rocketry – Senior educational Division (Ages 14 and older)

- | | |
|------|-----------------------------------|
| 1316 | Sr. Rocketry Educational Display |
| 1317 | Sr. Rocketry Educational Notebook |
| 1318 | Sr. Rocketry Educational Poster |

DEPARTMENT 14 – 4-H AGRONOMY

Crops

1. 4-H Member must be enrolled in the 4-H Agronomy Project.
2. Crops must be grown by a 4-H member this year.
3. Exhibits should be as mature as possible. Immature grain sorghum heads will not be penalized for immaturity.
4. The name of the hybrid or variety must be listed on the entry tag.
5. Each class will be divided into dryland and irrigated production as needed.
6. Attach both entry cards with a rubber band around the neck of the jar.
7. All classes calling for a gallon sample may have a 2½ - 3-inch diameter cylinder placed in a glass gallon container to reduce the amount to three-quarters.
8. If variety is NOT stated where requested, OR samples are not tied where requested, ribbon placing will drop one placing.
9. Hay samples should be approximately 15"x12"x6". Maximum thickness of 6' and minimum of 5'. Hay samples should be tied with a "T". Wrap the twine horizontally around the hay and tie, then wrap vertically and tie (like a gift package).
10. Entries in classes for fall crops that are selected for a state fair entry may exhibit mature crops at the Kansas State Fair.

Division A: Crops Classes

1400	Wheat (1 gallon)
1401	Barley (1 gallon)
1402	Grain Sorghum (5 heads)
1403	Forage Sorghum (10 stalks)
1404	Corn (10 stalks)
1405	Sudan Grass (10 stalks)
1406	Rye (1 gallon)
1407	Alfalfa (1 flake or slice)
1408	Soybeans (bundle of 5 plants)
1409	Soybeans (1 gallon thrashed from the previous year's crop)
1410	Miscellaneous Crop (1 gallon of grain or 10 stalks)

Wheat Variety Plot Displays

The free-standing displays must not exceed the overall dimensions of 36" wide x 36" high x 18" deep (measured on the outside). Care should be taken to select durable materials that will withstand the conditions at the Edwards County Fair. Displays must not require electricity. If the display exceeds overall dimensions, ribbon placement will be dropped one place.

1. 4-H Member must be enrolled in the 4-H Agronomy Project.
2. The display must be planned and prepared by 4-H members enrolled in the wheat variety plot project.
3. Members must include the varieties provided in the display, but may include more varieties if desired.
4. Judging criteria consists of:
 - a. Educational Value = 70%
 - i. The main idea of the display should be specific.
 - ii. Emphasize the title or theme.
 - iii. Present the idea clearly, simply, and forcefully enough that it will stop the casual observer.

- iv. The display should give observers additional facts in a clear, concise way. (Example: “varietal difference in wheat” or “economic gains from the adoption of desirable practices”)
- b. Quality of Display Materials = 30%
 - i. Size, style, and neatness of lettering, as well as proportion of models and lettering balanced.
 - ii. Degree of workmanship, including handouts.
 - iii. If used, charts, models, and lettering are used effectively to teach ideas.
 - iv. Display should be colorful, artistic, neat, and well-balanced.

Division B: Wheat Variety Plot Class

1411 Wheat Plot Variety Display

Weed Control Exhibit

1. 4-H Member must be enrolled in the 4-H Agronomy Project.
2. Collect, identify, press, mount, and label a minimum of 15 weeds. Try to collect their roots, stems, leaves, and flowers. Three of the weeds must be noxious weeds, preferably found in Edwards County. A standard 9 x 12-inch scrapbook may be used to permanently mount your weed specimens. Identify the scrapbook with your name or ID and county on the inside cover.
3. Prepare a list of the weeds mounted, showing common name, scientific name, and where it was found. Place the list in a specially identified section of the scrapbook.
4. Collect and identify weed seeds found in crop seeds. Mount them for display purposes. Place them in a specially identified section of the scrapbook.
5. Write a story on “How We Control Weeds on Our Farm” if you live on a farm. Other members may write “How We Control Weeds at Home”. The story should be about 300 words in length. It must show definite methods used to control weeds. Place the story in a specially identified section of the scrapbook.

Division C: Weed Control Class

1412 Weed Control Display

DEPARTMENT 15: 4-H AG MECHANICS – WELDING

1. 4-H member must be currently enrolled in the Kansas 4-H 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. **As exhibitors build their exhibits, appropriate PPE (Personal Protection Equipment) is required.**
4. Wheeled exhibits must utilize a braking mechanism that prevents the exhibit from freely rolling while on display.
5. Exhibitors are responsible for providing sufficient braking or “chocks” for trailer or wheeled exhibits to ensure that the exhibits do not move once positioned. If using a wheel “chocking” mechanism, the two individual blocks should be connected as a pair of chocks to prevent them from separating. At least one pair of chocks should be placed on each side of the trailer to prevent movement.
6. For trailer exhibits, the tongue of the trailer should be equipped with a locking mechanism (e.g., padlock) to prevent the trailer from being moved by unauthorized individuals while on display. A key for the locking mechanism should be left with the superintendent or Extension Staff and labeled with the exhibitor’s name, club name, and phone number.
7. Exhibits with a downward swinging part, such as tailgates, that could pose a fall/striking/crushing hazard should have a tamper-resistant locking mechanism, such as a “zip-tie” or a “cotter-key” through a release pin that would prevent the swinging part from being accidentally released and falling on someone.
8. Each exhibit must be free-standing or sufficiently supported by an exhibitor-supplied support system that is movable and is part of the total dimensions and weight of the exhibit. Exhibit boards should have a portable and movable base. No exhibits may be staked to the ground for display.
9. Top-heavy items should be braced or placed in a stand sufficient to prevent them from toppling over while on display.
10. **No sealed vessels are allowed. All vessels must be properly vented, for example, a water tank with a fill cap, or a drilled hole for empty chambers that allows pressure to equalize. Exhibits not properly vented will be disqualified.**
11. Tanks are to be triple rinsed, dried, and free of all liquid residue.
12. Exhibits may not be bound, affixed, or attached to the Edwards County Fair buildings, except by a superintendent, Extension staff, or Fair Board.
13. Painting or spot painting is not allowed on projects after arrival at the fairgrounds. If wet paint is detected by judges or superintendents, one ribbon placement will be deducted.
14. Repair projects having an adequate original finish need not be repainted.
15. 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.
16. Display cases for small exhibits are acceptable and must be easily opened so the item can be removed and examined as part of judging.
17. 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.
18. Trailers and/or large exhibits may be displayed outside.
19. 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.

20. Electric powered (battery, corded, solar, or alternative energy) exhibits should have a primary shutoff or disconnect switch.
21. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, may receive a reduced ribbon placement or be disqualified.
22. The exhibitor's name(s) or ID and 4-H club must be tagged or labeled on the display.
23. Each exhibitor is required to complete the "4-H Ag Mechanics Welding Exhibit Information Form" for each exhibit, except for display boards, which are available through the 21 Central Extension District or at <http://welding.engteach4ks.com/>. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of all forms previously released for the division dated prior to the current year are void for use, and new forms must be obtained/used that are dated by the State 4-H Office for the current year.
24. Each exhibit information packet should include the following items:
 - a. Bill of materials for the project with associated costs shall be provided. Scrap items used may be listed at \$0.00.
 - b. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to a final or completed state.
 - c. If applicable, schematics or working drawings relating to the creation or repair must be provided. This is not required for display boards.
 - d. If appropriate, operating instructions.
25. Exhibitors may include a video showcasing their project, as well as a walkthrough of any project mechanics. The video must be no more than 8 minutes and must be included on a USB drive. These videos do NOT replace consultative judging. Exhibitors are encouraged to talk with the judge.

Division A: Beginners (Ages 7-8 years)

Not eligible for the Kansas State Fair.

This level is designed for youth with little to no exposure to the project area to help them gain an understanding of the basic principles and methods in the area.

- | | |
|-------------|--|
| 1500 | Welding Display Board - a 3' x 3' display board with different pieces of metal attached, illustrating different types of welds (label each weld) |
| 1501 | Beginner Welding Ag Repair - repair of ag equipment with welding |
| 1502 | Beginner Welding Ag Fabrication - create new ag equipment with welding |
| 1503 | Beginner Welding General Repair - repair of non-ag equipment with weld |
| 1504 | Beginner Welding General Fabrication - create new non-ag equipment with welding |
| 1506 | Beginner Artistic Fabrication - create an artistic or interpretive piece with welding |
| 1507 | Other Metalwork |
| 1508 | Smithing Display Board - a 3' x 3' display board with different pieces of forged metal attached, illustrating different forms, each form being labeled. |
| 1509 | Beginner Smithing - a design forged with at least one formed element (i.e., twists or spirals) |

Division B: Intermediate (Ages 9-13 years)

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

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|-------------|--|
| 1510 | Intermediate Welding Ag Repair – repair of ag equipment with welding |
| 1511 | Intermediate Welding Ag Fabrication – create new ag equipment with welding |
| 1512 | Intermediate Welding General Repair – repair of non-ag equipment with welding |

- 1513 Intermediate Welding General Fabrication** – create non-ag equipment with welding
- 1514 Intermediate Welding Artistic Fabrication** – create artistic or interpretive pieces with welding
- 1515 Intermediate Other Metalwork**
- 1516 Intermediate Smithing** – a design forged with at least two different formed elements (i.e., twists and spirals)

Division C: Senior (Ages 14 years and older)

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

- 1517 Senior Welding Ag Repair** – repair of ag equipment with welding
- 1518 Senior Welding Ag Fabrication** – create new ag equipment with welding
- 1519 Senior Welding General Repair** – repair non-ag equipment with welding
- 1520 Senior Welding General Fabrication** – create non-ag equipment with welding
- 1521 Senior Welding Artistic Fabrication** – create an artistic or interpretive piece with welding
- 1522 Senior Other Metalwork**
- 1523 Senior Smithing** – a design forged with at least three different formed elements (i.e., twists, spirals, and bulbs)

Ag Mechanics (Welding) Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to Ag Mechanics (Welding).
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational display boards, posters, and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://welding.engtech4ks.com/>. For example, an exhibit with weld that did not hold may be made into an educational display or poster that tells a great story with many lessons learned.
5. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (Example citation: “Setting the Standards” <https://www.aws.org/standards-and-publications/>)
6. Educational displays are not to exceed a standard commercial 4’ high x 3’ wide x 2’ deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
7. “Construction Kits” that are part of educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 2’ x 2’ x 2’ and must have a latch that securely keeps all components contained in the “Construction Kits.” Other components are to adhere to appropriate dimensions.
8. Educational Project notebooks must be organized in a 3-ring binder or similar book.
9. Posters are limited to commercial 3’ x 4’ trifold board not thicker than 2-inches.
10. For educational displays and/or posters, the exhibitor’s name or ID, 4-H club, county/district, age, and year(s) in project must be tagged or labeled on the back of the

exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.

11. 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;

12. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

Division D: Ag Mechanics/Welding Classes – Intermediate Educational Division

(Ages 9-13)

- 1524 Intermediate Ag Mechanics/Welding Educational Display
- 1525 Intermediate Ag Mechanics/Welding Educational Notebook
- 1526 Intermediate Ag Mechanics/Welding Educational Poster

Division E: Ag Mechanics/Welding Classes – Senior educational Division (Ages 14 and older)

- 1527 Senior Ag Mechanics/Welding Educational Display
- 1528 Senior Ag Mechanics/Welding Educational Notebook
- 1529 Senior Ag Mechanics/Welding Educational Poster

DEPARTMENT 16: 4-H ASTRONOMY

1. The 4-H member must be currently enrolled in the 4-H Astronomy project to exhibit in this division.
2. Each exhibitor may enter any number of exhibits per class. The 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 prevents the telescope from rolling or falling over. The stand cannot exceed 2 feet in length or width.
5. Each telescope exhibit must include a "4-H Astronomy Exhibit Information Form," which is available through the 21 Central Extension District or at <http://astronomy.engtech4ks.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.
6. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
7. Exhibitor's name or ID, 4-H club, county/district, age, and year(s) in project must be tagged or labeled on the telescope.
8. If a safety violation is noted by the judge, superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
9. Exhibitors may include a video showcasing their project, as well as a walkthrough of any project mechanics. The video must be no more than 8 minutes and must be included on a USB drive. These videos do NOT replace consultative judging. Exhibitors are encouraged to talk with the judge.
10. Two photographs, showing telescope construction and operation, are required. Photographs should be mounted on one side of an 8½" x 11" page. A brief caption should accompany each photograph. Place photos in the 10" x 13" manila envelope. Up to 10 pages of pictures can be included.
11. The telescope must be properly assembled and painted with a smooth and uniform finish.

Division A: Astronomy Classes

- | | |
|-------------|------------------------------------|
| 1600 | Telescope (from kit) |
| 1601 | Telescope (original design) |

Astronomy Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to Astronomy.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational display boards, posters, and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://astronomy.engtech4ks.com/>.
5. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all

posters and educational display boards. (Example citation: "Make a Star Finder"
<https://spaceplace.nasa.gov/starfinder/en/>)

6. Educational displays are not to exceed a standard commercial 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
7. "Construction Kits" that are part of educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 2' x 2' x 2' and must have a latch that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
8. Educational Project notebooks must be organized in a 3-ring binder or similar.
9. Posters are limited to commercial 3' X 4' tri-fold boards.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. Exhibitor's name or ID, 4-H club, county/district, age, and year(s) in project must be tagged or labeled on the notebook or "Construction Kit". For educational 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. Failure to label an exhibit may result in a one-ribbon placement deduction.
12. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme;
 - b. What you want others to learn;
 - c. Be designed and constructed in a manner befitting the exhibit;
 - d. Be something you are interested in;
13. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

Division B: Astronomy Classes – Intermediate Educational Classes (Ages 9 – 13)

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| 1602 | Intermediate Astronomy Educational Display |
| 1603 | Intermediate Astronomy Educational Notebook |
| 1604 | Intermediate Astronomy Education Poster |

Division C: Astronomy Classes – Senior Educational Classes (Ages 14 years and older)

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|-------------|--|
| 1605 | Senior Astronomy Educational Display |
| 1606 | Senior Astronomy Educational Notebook |
| 1607 | Senior Astronomy Educational Poster |

DEPARTMENT 17: 4-H BOOTHS & BANNERS

1. **Each 4-H Club will be limited to one entry. 4-H Club leaders are to notify the 21 Central Extension District of their club's intent to enter a booth or banner at the Edwards County Fair by June 13, when pre-entries are due.**
2. Each club is required to label its entry with the 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:
 - a. Educational Value - 40%
 - b. Interest and Originality - 20%
 - c. Appearance - 20%
 - d. Quality of Display Material – 20%.
8. Clubs not taking care of their booths will forfeit prize money.
9. Premiums will be paid: 1st - \$20; 2nd - \$15; 3rd - \$10; 4th - \$5.

Division A: Booths & Banners Classes

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|-------------|---------------------|
| 1700 | Club Booths |
| 1701 | Club Banners |

DEPARTMENT 18: 4-H BUILDING BLOCK ENGINEERING

1. 4-H members must be currently enrolled in the Kansas 4-H Building Block Engineering project to exhibit in this division.
2. Each exhibitor may enter any number of exhibits per class. Exhibits must have been constructed during the current 4-H year.
3. Counties are limited to FOUR exhibits to compete at the Kansas State Fair to ensure space for all exhibitors. Therefore, exhibits must be selected at the Edwards County Fair for entry at the Kansas State Fair.
4. Total exhibit dimensions may not exceed 2 feet high by 2 feet wide by 2 feet deep, while the minimum exhibit dimensions must be at least 6 inches wide and 6 inches deep.
5. **All exhibits are required to be placed in a sturdy see-through enclosure with a top, bottom, and 4 sides.** A “clear” tub, turned upside down, with the exhibit placed on the lid, would be an acceptable enclosure. It may be desirable to place a cutting board or other hard surface between the lid and base plate of the exhibit to make it sturdier. This is to keep exhibit components from being “scattered about” at the Fair. The outer dimensions of the enclosure DO NOT COUNT towards the total exhibit dimensions, but should not be excessive. The entire exhibit should fit in the display enclosure, so the enclosure does not smash into the exhibit during movement.
6. **Cases are to be removable** and should not be bolted down, glued, or sealed in any way that prevents the judge from touching the actual display. (Locking handles and snap shut lids are approved.)
7. All components used in the construction should be dust and hair-free, clean, free of chips, scuffs, cracks, or broken blocks.
8. Gaps or cracks should not be visible between assembled blocks unless they fit with the story, for example, an earthquake.
9. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®.
10. Other components can be integrated into dioramas to illustrate architectural aspects that may be difficult to convey with traditional interlocking blocks, for example, marbles for small round objects.
11. The use of existing “store-bought” sets for major elements of the display is not allowed; use of figurines from sets is allowed, as is using individual bricks or small sub-assemblies to create something different than the set it came from. For example, a car hood or front end from a car kit could be used in a “car museum,” just not the entire car. The intent is to ensure fairness among exhibitors and encourage maximum creativity rather than just following a set of plans.
12. Dioramas should be suitably complex and have multiple elements, for example, a campsite that has a log cabin, a tree fort, and a car. (*Dioramas can be buildings (inside/outside), natural spaces, imaginative/fictional areas, compartments of vehicles, logic puzzles, or anything that you can think of that is not a picture or artwork.*)
13. All dioramas should have a story, which is part of the information pack that describes what is happening in the diorama; this can be as simple (nursery rhyme “Jack and Jill,” for example) or as complex as needed to explain to someone looking at the exhibit what is happening.
14. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other methods.
15. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, merry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If included, judges should be able to use them, and instructions for operation should be provided, either in the story or on a separate page.

16. Weapons are NOT prohibited in dioramas. Scenes depicting battles, as you would find in museums, are acceptable exhibits. However, “blood” or scenes considered “grotesque” are not to be added and will result in a ribbon place deduction.
17. Artistic designs, for example, recreating paintings like the “Mona Lisa” or “Starry Nights” and structures like “David” are not permitted as exhibits, and one ribbon placement will be deducted. These exhibits should be displayed in the Visual Arts.
18. The exhibitor’s name(s) or ID and 4-H club must be tagged or labeled on the display. Additionally, the display case should include the exhibitor’s information on both the lid and the clear plastic container, and the top of the case may be separated from the display.
19. Each exhibit must include a Building Block Engineering information packet. Entry of either a packet without an accompanying exhibit or an exhibit without a packet is not a sufficient exhibit.
20. Each exhibit is required to complete the “4-H Building Block Engineering Exhibit Information Form,” which is available at the 21 Central Extension District or <http://blocks.engtech4ks.com/>. This form must be attached to the outside of a 10” x 13” manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the division dated prior to the current year are void for use, and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
21. Each exhibit information packet should include the following items:
 - a. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to a final or completed state. Final pictures help determine where a part might go if something comes loose.
 - b. If appropriate, operating instructions for the mechanical portions of the diorama.
12. Exhibitors may include a video showcasing their project, as well as a walkthrough of any project mechanics. The video must be no more than 8 minutes long and must be included on a USB drive. These videos do NOT replace consultative judging. Exhibitors are encouraged to talk with the judge.

Division A: Building Block Engineering Classes

Introductory – Level 1 (Ages 7-8 years)

1800 Level 1 - Diorama (illustrate at least 2 architectural features beyond floors, ceilings, and walls)

Intermediate – Level 2 (Ages 9-13 years)

1801 Level 2 – Diorama (illustrate at least 4 architectural features beyond floors, ceilings, and walls, as well as 1 or more motion elements)

Senior – Level 3 (Ages 14 years and older)

1802 Level 3 – Diorama (illustrate at least 6 architectural features beyond floors, ceilings, and walls, as well as 2 or more motion elements)

Building Block Engineering Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits shall have a clear link to Building Block Engineering.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational displays may use kits, and any interlocking bricks used must adhere to the other general rules set forth. Educational displays are to inform the audience about something, for example, the Titanic. They are not to be merely an entry of a kit. Entries consisting solely of kits in the educational division will be disqualified.

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 improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://blocks.engtech4ks.com/>.
6. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (Example citation: "Design a Marshmallow High Rise" https://extension.purdue.edu/4-H/_docs/volunteer/resources-and-development/stem/design-a-marshmallow-high-rise.pdf)
7. Educational displays are not to exceed a standard commercial 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
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 that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
9. Posters are limited to commercial 3' X 4' tri-fold display boards.
10. Educational Project notebooks must be organized in a 3-ring binder or similar book.
11. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
12. Exhibitor's name or ID, 4-H club, county/district, age, and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.
13. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme;
 - b. What you want others to learn;
 - c. Be designed and constructed in a manner befitting the exhibit;
 - d. Be something you are interested in.
14. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

Division B: Building Block Engineering Classes– Intermediate Educational (Ages 9 – 13)

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| 1803 | Intermediate Building Block Engineering Educational Display |
| 1804 | Intermediate Building Block Engineering Educational Notebook |
| 1805 | Intermediate Building Block Engineering Education Poster |

Division C: Building Block Engineering Classes – Senior Educational (Ages 14 years and older)

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|------|--|
| 1806 | Senior Building Block Engineering Educational Display |
| 1807 | Senior Building Block Engineering Educational Notebook |
| 1808 | Senior Building Block Engineering Educational Poster |

DEPARTMENT 19: 4-H CLOVERBUDS

1. Cloverbuds are enrolled children, 5 & 6 years of age as of Jan. 1st of the current year.
2. All Cloverbuds will participate in the “consultative” aspect of the Edwards County 4-H Fair, thereby giving each participant the chance to visit with a judge in their respective field of expertise about their projects.
3. Cloverbuds will not be judged. They will have a “Show and Tell” session and receive a participation ribbon. This exposes Cloverbud youth to an experience similar to that of enrolled 4-H members.
4. Cloverbud entries should be related to activities completed in a 4-H Club, other 4-H activity area, school, or home.
5. Cloverbuds may showcase a pet approved by Extension staff, which includes: amphibians, ant farms, cats, dogs, fish, hand pets, birds, and rabbits.
6. Pets cannot be included in overnight exhibits at the Fair, but may be used as a show-and-tell activity or showcase.

Division A: Cloverbuds

1900	4-H Cloverbud Foods
1901	4-H Cloverbud Visual Arts
1902	4-H Cloverbud Floral Exhibit
1903	4-H Cloverbud Garden Produce
1904	4-H Cloverbud Photography
1905	4-H Cloverbud Geology
1906	4-H Cloverbud Shopping in Style
1907	4-H Cloverbud Forestry
1908	4-H Cloverbud Pet
1909	Cloverbud Entomology Collection: display in one or two shoe boxes, a pencil box, a cake pan with a clear lid, or one standard display box, with a minimum of 5 and a maximum of 10 species representing at least 4 orders. The boxes should be covered with plastic wrap, plexiglass, or another protective covering, with the covering taped to the top of the box or attached in some manner. Follow the general guidelines listed for collections. Members may exhibit in this class for up to 2 years while they are Cloverbuds. There is no State Fair class for this level.

DEPARTMENT 20: 4-H COMMUNICATIONS

Demonstrations/Illustrated Talk, Project Talk, Public Speaking, Poetry, & Prose

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.
15. 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 premiums. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (Example citation: "Design a Marshmallow High Rise"
https://extension.purdue.edu/4-H/_docs/volunteer/resources-and-development/stem/design-a-marshmallow-high-rise.pdf)
4. Project Posters and Project Displays in this division are NOT eligible for the Kansas State Fair.
5. A Project Talk should be about a specific project and experience in the project.
6. A Demonstration shows a step-by-step procedure and explains why each step is essential to develop a particular skill or task.
7. An Illustrated Talk uses visual aids (posters, technology supplies, equipment, etc.) to describe the process of the topic being discussed.
8. Readings (Poetry or Prose) should be a piece of literature, either dramatic, interpretative, humorous, or another type that follows the 4-H Code of Conduct (pieces should be edited for appropriate language and content if necessary). The participant may read from a script or memorize the piece. The title and author of the selected work should be noted within the presentation.
9. Public Speaking is the skill of writing and delivering a persuasive, entertaining, informational, or inspiring speech on a given topic. Visuals should be used only if they enhance the speech and do not distract from it. If selected to compete at the State Fair, all public speeches will be assigned a topic, regardless of the topic qualified for at the Edwards County Fair.
10. Demonstrations or Illustrated Talks may be individual or team (2 people) presentations. Project Talks and Public Speaking are individual presentations.
11. The presentation should be of sufficient length to cover the topic adequately, three minutes minimum and 15 minutes maximum. Readings are limited to 10 minutes maximum.
12. **Communication Class participants are encouraged to arrive 10 minutes before their presentation and check in with the 21 Central District Extension staff.**
13. The use and inclusion of specific brand names for educational purposes does not imply endorsement or refusal by the Edwards County Fair Board, 21 Central District 4-H Program, 21 Central District Extension, Department of 4-H Youth Development, or Kansas State University Extension.
14. If the presentation is Shooting Sports related, the 4-H'er must inform the 21 Central District Extension Office of their intent to ensure the presentation meets safety requirements. The Kansas State Law regarding firearms is listed within the General Rules of this Fair Book.

Division A: Communications Project Exhibits

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| 2000 | <u>Project Poster</u> (Juniors 7-9 & Intermediates 10-13) - Exhibit a poster showcasing at least two activities from the <i>Express Yourself: Communications</i> 4-H Project Manual |
| 2001 | <u>Project Display</u> (Seniors 14-18) - Exhibit a display showcasing at least 3 activities from the <i>Express Yourself: Communications</i> 4-H Project Manual |

Division B: Communications Classes

2002	Junior Demonstration or Illustrated Talk
2003	Intermediate Demonstration or Illustrated Talk
2004	Senior Demonstration or Illustrated Talk
2005	Junior Project Talk
2006	Intermediate Public Speaking
2007	Senior Public Speaking
2008	Junior Show & Tell (intended for 1 st and 2 nd year members)
2009	Junior Reading
2010	Intermediate Reading
2011	Senior Reading

DEPARTMENT 21: 4-H COMPUTER SCIENCE

1. 4-H members must be currently enrolled in the Kansas 4-H Computer Science project to exhibit in this division.
2. **The actual construction of computer hardware (i.e., building a computer, electronic devices with a motherboard-based manipulation) will be entered in the Electronics Division, except for exhibits entered in Class 2102.**
3. Each exhibitor may enter any number of exhibits per class. Exhibits must have been completed during the current 4-H year and have to be selected at the Edwards County Fair to exhibit at the Kansas State Fair.
4. Exhibitor's name or ID, 4-H club, county/district, 4-H age, and year(s) in project must be tagged or labeled on the exhibit, educational display, notebook, and/or poster.
5. If a safety violation is noted by the judges, superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon. A safety violation could include Malware, a virus, or any similar program that is potentially harmful.
6. All exhibits must be entered on a USB drive containing all supporting documents as listed below for each class.
 - a. The USB drive should be included in a manila envelope with the Computer Exhibit Form (available at <http://computers.engtech4ks.com/>) attached to the front.
 - b. The USB Drive should be labeled with the 4-H member's name or ID, 4-H club, and county.
7. Source code must be included on the USB drive for all computer programming projects coded by the 4-H member. This could include a .txt file, a Python Script (.py), a Scratch URL, etc. Failure to include the source code will result in a one-ribbon deduction.
8. Each exhibit must include written operating instructions, including how to locate, run, and use the project. Operating instructions should be printed, placed in the manila envelope, and included digitally on the USB drive.
9. Each exhibit must be accompanied by a typed requirements document included on the USB drive. See <https://computers.engtech4ks.com/> for a template for documenting requirements.
 - a. The requirements document should be started at the beginning of the project. It will include a list of goals and requirements that the 4-H member wants to include or achieve in their final project.
 - b. The project requirements section is formatted as a checklist, with the 4-Her checking off what they accomplished and making adjustments throughout their work on the project as needed.
 - c. Flow charts, designs, or other diagrams may be included for computer programs to show the logical flow of the program as needed.
10. For coded computer programs, screenshots of the program will be displayed digitally at the Edwards County Fair. A display screenshot must be included electronically on the USB drive.
11. All electric components of micro-controlled devices must be adequately covered or concealed with a protective enclosure, specifically the circuit board. Paper is NOT considered an adequate enclosure or covering for electrical components.
12. Exhibitors must include a video showcasing how to open and run the project, as well as a walkthrough of any project mechanics.
 - a. The video must not be more than 8 minutes long and should be included on the USB drive.
 - b. The video allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit.
 - c. This is in addition to consultative judging at the Edwards County Fair.
13. Judging of micro-controlled devices is based on the code, not the hardware.

14. The Edwards County Fair Judge in the computer system division will have a physical computer with the following minimum configuration to test exhibits with and view files:
 - a. Microsoft Windows® 11
 - b. Microsoft Office® 365 (Excel, PowerPoint, and Word)
 - c. Microsoft Visual Studio®
 - d. Microsoft Edge Browser®
 - e. Mozilla Firefox® Browser
 - f. Google Chrome® Browser
 - g. Adobe Acrobat Reader®
 - h. Apache Open Office®
 - i. Scratch Desktop editor (offline version)
15. Judging will be based on the score sheet found at <http://computers.engtech4ks.com/>. There are three areas in which each exhibit will be judged. They are:
 - a. Requirement document;
 - b. Operating Instructions;
 - c. Functionality (how well did the project meet project objectives).
16. 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.
17. Pictures and still graphics created are not eligible for entry as a project in this division and should be entered in the appropriate photography division.

Division A: Computer Systems

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|-------------|---|
| 2100 | <u>Computer Program, Application, App, Script, or Coded System</u> (new and unique, not merely a file run in a program, such as a Word Document or a picture drawn in Microsoft Paint) |
| 2101 | <u>Coded Website</u> : a coded website built entirely by the 4-H member (not using a pre-made template generator such as Wix or Squarespace). Items in this class could be coded in HTML, CSS, JavaScript, WordPress, or other web-based programming languages or platforms. |
| 2102 | <u>Micro-Controller or Micro-Computer Application</u> : a small circuit board that is programmed to accomplish a specific task (projects built and programmed using Raspberry Pi, Arduino, etc.). |

Computer System Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits shall have a clear link to the Computer Systems. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
3. 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 improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://computers.engtech4ks.com/>.
4. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (*Example citation: “Make a Star Finder”* <https://spaceplace.nasa.gov/starfinder/en>)

5. Educational displays are not to exceed a standard commercial 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
6. "Construction Kits" that are part of educational displays must be contained in cases (tackle boxes, sealable containers, etc.) no larger than 2' x 2' x 2' and must have a latch that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
7. Educational Project notebooks must be organized in a 3-ring binder or similar book.
8. Posters are limited to commercial 3' X 4' tri-fold display boards.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. The exhibitor's name or ID, 4-H club, county/district, age, and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.
11. 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;
12. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

Division B: Intermediate Educational Division

(Ages 9-13)

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| 2103 | Intermediate Computer System Educational Display |
| 2104 | Intermediate Computer System Educational Notebook |
| 2105 | Intermediate Computer System Educational Poster |

Division C: Senior Educational Division

(Ages 14 and older)

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|------|---|
| 2106 | Senior Computer System Educational Display |
| 2107 | Senior Computer System Educational Notebook |
| 2108 | Senior Computer System Educational Poster |

DEPARTMENT 22: 4-H DISPLAYS, NOTEBOOKS, AND 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.
13. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (*Example citation: "Make a Star Finder"*
<https://spaceplace.nasa.gov/starfinder/en>)
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 premiums.
6. Project exhibits in this division are NOT eligible for the Kansas State Fair.

Division A: Displays, Notebooks, Posters & Dioramas Classes

2200 Club Officer Notebook

2201 Project Poster

2202 Project Notebook

2203 Project Display

- *Displays are judged on the following points:*
 - *Stopping Power (15 points);*
 - *Specific Main Idea (15 points) – Is the main idea presented specifically, clearly, simply, forcefully?*
 - *Interest Holding Power (5 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 the exhibitor? Enthusiasm shown?*
 - *Educational Value (20 points) – Knowledge shared?*

DEPARTMENT 23: 4-H ELECTRIC AND RENEWABLE ENERGY

Electrical and Electronics

1. 4-H members must be currently enrolled in the Kansas 4-H Electric and Renewable Energy project to exhibit in this division.
2. 4-H'ers must have met the requirements of the energy management project to be eligible to exhibit in this division.
3. An exhibitor may enter any number of exhibits in this division per class.
4. The National Electric Code (NEC) will apply for judging.
5. Items should be cleaned before exhibiting if the exhibit has been used.
22. **Each exhibit is required to complete the "4-H Electric & Renewable Energy Exhibit Information Form," which is available at the 21 Central Extension District or <http://electric.engtech4ks.com/>.** This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the division dated prior to the current year are void for use, and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
6. Plans, including a wiring diagram or schematic, for the project need to be included, as well as a sheet of operating instructions, must be furnished for any exhibit not self-explanatory. Any project with a complexity of size or electronics must have (a) instructions for assembly and use, and (b) if it requires special test equipment beyond a screwdriver or multimeter, it should be available at the time of judging for actual testing of the exhibit.
7. The project must be constructed in such a way that the judge can examine the quality of the wiring and workmanship. Sealed exhibits that cannot be opened for inspection are NOT acceptable.
8. Projects must be operable using only 110V or 120V AC or battery power. If battery power is required, batteries must be furnished.
9. Lithium batteries must be accessible or removable in exhibits for safety purposes. The exhibit cannot contain a locked compartment housing a lithium battery.
10. Projects must meet minimum safety standards.
11. No hand-dipped solder may be used on exhibits.
12. Each exhibit must have a scorecard completed and attached securely. A scorecard will be provided by the Edwards County Extension Office.
13. If a safety violation is noted by the judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
14. A Grand Champion and Reserve Grand Champion will be chosen for Electric and Alternative if quality merits.

Division A: Electrical and Electronics Classes

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| 2300 | <u>AC Electric Project</u> - Electric project with a 110V or 120V alternating current (AC) power source. Some project examples include household wiring demonstrations, small-appliance extension cords, trouble lights, indoor and outdoor wiring boards, or shop lights. Projects may be a restoration or original construction. |
| 2301 | <u>DC Electric Project</u> - Electric projects with a battery or direct current power source. This class includes electric kits or original projects, as well as a demonstration DC-powered project. (All DC electric projects must include battery supplies by the 4-H member.) Examples include: wiring two-way or three-way switches, the difference between series/parallel lighting circuits, or wiring doorbell switches. |
| 2302 | <u>Electronics Project</u> - Electronics projects use 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. It may be |

- constructed using printed circuit board, wire wrap, or breadboard techniques. If from a kit, include the instruction/assembly manual. If the original project includes plans.
- 2303** **Newly Built or Repaired Computer** – This class is for newly built or repaired computers (laptops or PCs) and allows 4-H members to demonstrate skills in integrating the various parts of a computer into a single unit. Displays should either show a fully functional computer or explain what each component does. The display should be free of dust, and cables should be neatly arranged. Fully functional computers should boot up and not require a monitor, keyboard, or mouse.
- 2304** **Educational Display** - 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 should illustrate a basic idea. This class includes any educational display, exhibit, or science fair-type project that DO NOT have a power source, i.e., exhibits, posters, displays, or projects on wire types, conduit types, electrical safety, tools, 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'.

Alternative Energy

A form of energy derived from a natural source, such as the sun, geothermal, wind, tides, and waves.

1. All exhibits in this division are limited in size to standard, tri-fold display boards (36" x 48"), and items may not extend beyond 12" from the back board.
2. All displays must be self-standing.

Division B: Alternative Energy Classes

- 2305** **Educational Display** – an exhibit that addresses a focused topic related to power generated from a renewable energy source. The purpose of the exhibit is to inform and create awareness.
- 2306** **Experiment** – Display an experiment addressing a problem or question related to power generated from a renewable energy source. Include a hypothesis, background research, variables, a control, data, findings, conclusions, and recommendations for future study.

DEPARTMENT 24: 4-H ENTOMOLOGY

1. 4-H members must be currently enrolled in the Kansas 4-H Entomology project to exhibit in this division.
2. All entries should be submitted in an 18 x 24 3.5-inch wooden display box with a clear plastic top (such as Plexiglass). Boxes can either be handmade or purchased, as long as they are of the correct size. Box instructions and plans are available at the 21 Central Extension District – Kinsley Office or online at <https://www.kansas4-h.org/projects/natural-resources/entomology/index.html>.
3. 4-H'ers may choose to use one of two taxonomies:
 - a. Option A: As printed in the "Insects in Kansas" book, or
 - b. Option B: which follows www.bugguide.net.
4. Each exhibitor is required to identify each box with two identification labels bearing the exhibitor's name, 4-H club, the collection class the 4-H'er is enrolled in, and the statement of taxonomy used. One label goes in the upper-left corner of the box (inside), and the other in the lower-right corner (outside). Arrange the specimens in the box so it can be displayed lengthwise.
5. The number of orders, specimens, and families where required must be included on both of the exhibitor's box identification labels.
6. Only one adult insect per species can be used in the Collection Boxes and Notebook Classes, unless labeled as male or female and correctly identified.
7. Arrange specimens in groups or rows parallel to the short sides of the box. Specimens are to be arranged in the box by Order, then by Family, where required.
8. Two labels should be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label, and the second label should include date/locality. The full county name and state abbreviation should be on the second label. The collector's name (or host) on the date/locality label is optional.
9. After the first year in Entomology, all 4-H members need to add an 8½ by 11-inch sheet of paper to their collection that states what they did to improve their collection for the current year. This should include how many new insects were added to the display box (please list), how many insects were replaced in the display box (please list), and the number of new orders and/or families added to the display box. Other optional items that could be included are the number of insects caught this year, the number of new Orders added this year, the number of talks and/or demonstrations given, activities participated in, leadership roles, etc. This paper should be taped to the upper left corner of the front of your display box.
10. A minimum of 10 new specimens must be added and/or replaced each year.
11. The specimens should be collected by the exhibitor and should focus on Kansas insects. Insects may be collected in one county and transported into bordering states, and labeled accordingly. Please refer to "Entomology Collection Exhibit Resource" (<https://www.kansas4-h.org/projects/natural-resources/entomology/index.html>) for full details on out-of-state insects in collections.
12. Only specimens of the class should be included.
13. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
14. Specimens of soft-bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.
15. Do NOT put the spindle-shaped bag of a Bagworm in your collections (as a female example of the species). These bags must be cut open to determine if the caterpillar inside is male or

female. Opening the box to confirm the ID correctness could pose a significant threat to the collection.

16. The following insects are listed as Threatened or Endangered by the Fish and Wildlife Service. Because of this, no specimens of the following species may be caught or displayed in insect collections or educational displays. If specimens of these species are included in collections or educational displays, it will constitute a major violation. Any major violation of this rule will result in the exhibit being dropped one ribbon placing. Please refer to www.kansas4-h.org for more information on the Entomology project page.
 - a. American Burying Beetle
 - b. Monarch Butterfly
 - c. Eastern Regal Fritillary Butterfly
 - d. Western Regal Fritillary Butterfly
 - e. Great Spangled Fritillary
17. As outlined in the General Rules section of this Fair Book, "Exhibits at the Edwards County Fair are entered and displayed at the risk of the exhibitor." For projects displayed in box-style exhibits – such as Entomology or Geology – that must be opened for judging, exhibitors may choose to include a closure mechanism on the box. While closures are not required, their use will not result in a ribbon deduction. Acceptable options include Velcro strips or hook-style fasteners. Closures should not interfere with the box's ability to be displayed and must not be lockable.
18. Any major violation of the rules will result in the exhibit being dropped from ribbon placement. Examples would include, but are not limited to: incorrect display box size, missing paperwork, feet on display boxes, no special project in notebooks, etc.

Division A: Entomology Collection Classes

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| 2400 | <u>Introductory Entomology Collection:</u> 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 a small cardboard or plastic box with lids removed and each box covered with clear plastic wrap. (1 or 2 boxes with a total display of no more than 130 square inches.) There is no State Fair Class for these exhibits. |
| 2401 | <u>Beginning I Entomology Collection:</u> a collection with a minimum of 50 and a maximum of 125 specimens representing at least 7 orders. Specimens should be grouped by order, with order labels pinned at the base of the box. (Members may exhibit in this class for a maximum of 3 years.) |
| 2402 | <u>Beginning II Entomology Collection:</u> a minimum of 75 and a maximum of 150 specimens representing at least 9 different orders. (Members may exhibit in this class a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair, whichever comes first, then they must move up a division.) |
| 2403 | <u>Intermediate Entomology Collection:</u> a minimum of 100 and a maximum of 300 species representing at least 10 orders. Two standard boxes can be used. In addition, family identification is required for all insects in any two of the following orders (only two will be counted for judging): (a) "Insects in Kansas" book – Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera; or (b) "Insects in Kansas Book: 2016 Revised Taxonomy," which follows www.bugguide.net – Taxonomy - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera. (Members can exhibit in this class for a maximum of 3 years. A 4-H'er must move up if they receive a purple ribbon at the Kansas State Fair.) |
| 2404 | <u>Advanced Entomology Collection:</u> a minimum of 150 and a maximum of 450 species representing at least 12 orders. Three standard boxes can be used. Follow the general guidelines listed for Collections. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. |

Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional but desirable, provided accuracy is maintained. (Members may continue to exhibit in this call for an unrestricted number of years, as long as they remain eligible for 4-H membership.)

Entomology Notebook Rules:

1. Individual entries are to be placed for display in a three-ring notebook for competition. For the Intermediate and Advanced levels, two notebooks may be used. A Title Page must be placed at the front of the second notebook.
2. 4-H'ers who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginning I Phase of Entomology Notebooks, not the introductory phase.
3. Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitor's name, 4-H club, and the class 4-H'er is enrolled in, and a statement of taxonomy used:
 - a. Option A: "Insects in Kansas" book, or
 - b. Option B: which follows <http://bugguide.net/node/view/15740>.
4. The number of orders, specimens, and families (required in Intermediate and Advanced classes) must also be included on the Title Page.
5. Specimen pages should be grouped according to order and should include one page per species. If more than one insect is in the photo, an arrow to indicate the identified insect should be used.
6. Date, common name, full county name, and state abbreviation should be included for each species. The collector's name on the specimen page is optional.
7. Specimen pages should have two different views of the insect, if possible. If pictures are taken on different dates/localities, include information for both.
8. A statement describing the habitat where found/host plant may be included and is encouraged and will be worth a bonus 10 points total, not per page. For Intermediate and Advanced notebooks, this is strongly encouraged.
9. A divider page is to be placed in front of each order of insects, with the order name printed on the tab for the page as well as on the front of the divider page.
10. For the Intermediate and Advanced classes, insects are also to be grouped by family behind each order divider.
11. After the first year in Entomology, all 4-H members need to add an 8½ by 11-inch sheet of paper to their collection that states what they did to improve their collection for the current year. This should include how many new insects were added to the display box (please list), how many insects were replaced in the display box (please list), and the number of new orders and/or families added to the display box. Other optional items that could be included are the number of insects caught this year, the number of new Orders added this year, the number of talks and/or demonstrations given, activities participated in, leadership roles, etc. This paper should be taped to the upper left corner of the front of your display box.
12. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.
13. Any major violation of the rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect photo size, missing paperwork, no special project in notebooks, etc.
14. A minimum of 10 photo pages of new species must be added and/or replaced each year.

Division B: Entomology Notebook Classes

- 2405** **Introductory Entomology Notebook:** a minimum of 10 and a maximum of 30 insect species representing at least 6 different orders. (A 4-H member may exhibit in this class for a maximum of 2 years.)
- 2406** **Beginning I Entomology Notebook:** a minimum of 20 and a maximum of 50 insect species representing at least 7 different orders. (Members can exhibit in this class for a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair.)
- 2407** **Beginning II Entomology Notebook:** a minimum of 40 and a maximum of 70 insect species representing at least 8 different orders. (Members can exhibit in this class for a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair.)
- 2408** **Intermediate Entomology Notebook:** A minimum of 60 and a maximum of 100 species representing at least 9 orders. In addition, family identification is required for all insects in any two of the following orders (only two will be counted for judging): (a) “Insects in Kansas” book – Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera, or; (b) “Insects in Kansas Book: 2016 Revised Taxonomy” which follows <https://bugguide.net/> – Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera. (Members can exhibit in this class for a maximum of 3 years or move up a class if they receive a purple ribbon at the Kansas State Fair.)
- 2409** **Advanced Entomology Notebook:** a minimum of 100 and a maximum of 200 species representing at least 12 orders. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate Phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional but desirable, as long as accuracy is maintained. (Members may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.)

Entomology Educational Display Rules:

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming with Insects curriculum that does not fit into the Entomology Collection or notebook classes.
2. Follow copyright laws, citing all sources of information in a standard information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards.
3. The exhibit may be, but isn't limited to, original works, digital presentations saved to a USB drive (must provide printed hardcopy for exhibit purposes for the duration of the Edwards County Fair), programs, websites, games, apps, display box, notebook, display, or poster that you have made.
4. If the exhibit is a wooden display box, it must be 18 x 24 x 3.5 inches with a clear plastic top (such as Plexiglass) and displayed horizontally. If the exhibit is a poster, it must not exceed 22" x 28". If the exhibit is a display, the maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board.
5. Refer to Entomology General Rule 15 for information on Threatened and Endangered Species specimens that cannot be displayed in Education Exhibits.
6. Name and 4-H club must clearly be marked on educational exhibits.
7. Any major violation of the rules will result in the exhibit being dropped one ribbon placing. Examples include, but are not limited to: incorrect display box size, missing paperwork, no reference for information or photos, etc.

Division C: Entomology Educational Display Classes

- 2410** **Beginning Entomology Educational Exhibit:** Class for individuals who are exhibiting in the Beginning I and II Collection or the Beginning Notebook Classes. (If only exhibiting in this category, then ages 9-12.)
- 2411** **Intermediate Entomology Educational Exhibit:** Class for individuals who are exhibiting in the Intermediate Collection or Intermediate Notebook Classes. (If only exhibiting in this category, then ages 11-14.)
- 2412** **Advanced Entomology Educational Exhibit:** Class for individuals who are exhibiting in the Advanced Collection or Advanced Notebook Classes. (If only exhibiting in this category, then ages 13 or older.)

Monarch Butterfly Educational Display Rules:

Monarch Butterflies were officially put on the Endangered Species list on July 21, 2022. It is now threatened with extinction due to habitat loss and climate change. 4-H'er can play a critical role in helping bring habitat back for the Monarch Butterfly.

1. Exhibits should teach the public about the Monarch Butterfly and/or ways to protect and conserve it. The information could include nectar sources for adult butterflies and food sources for caterpillars; Monarch tagging activities; collecting native milkweed and packaging it to give to others to plant; a group working together to plant a Monarch-friendly garden, etc.
2. Specimens of the actual Monarch Butterfly insect, caterpillars, or chrysalis MAY NOT BE USED in these displays.
3. 4-H'ers may create a poster, notebook, standard-size tri-fold diorama, slide show, or other visual display that shows information on Monarch Butterflies.
4. If a slide show is created, it should be presented on a zip drive along with a printed copy of the presentation.

Division D: Monarch Butterfly Educational Display Classes

- 2413** **Beginning Monarch Butterfly Educational Display:** for 4-H members enrolled in Beginning I or II Entomology
- 2414** **Intermediate Monarch Butterfly Educational Display:** for 4-H members enrolled in Intermediate Entomology
- 2415** **Advanced Monarch Butterfly Educational Display:** for 4-H members enrolled in Advanced Entomology

DEPARTMENT 25: – 4-H FIBER ARTS

Fiber arts is defined as the practical skills passed down from previous generations, developed to meet basic family needs, such as apparel, home furnishings, and decorations.

1. 4-H members must be currently enrolled in the Kansas 4-H Fiber Arts project to exhibit in this division.
2. Fiber Arts is defined as any method of creating a unique design with fiber, fabric, or yarn. This may include making fabric (such as weaving, crochet, knitting, or needlepoint) or changing existing fabric into something quite different (such as quilting, embroidery, or ethnic art). Ethnic Fiber Arts should use a fiber, yarn, or fabric to create the design exhibit. (Non-textile – wood, reeds, straw, grass, etc. – baskets/pieces should be entered in the Visual Arts Division.)
3. Identification Label:
 - a. Type or print on a 3" x 2½" piece of cloth
 - i. Class Number
 - ii. 4-H Club
 - iii. Exhibitor's Name or ID
 - b. Sew or safety pin this ID label on the corner of flat articles.
 - c. For garments, attach the ID label to the front left shoulder seam or the left side of the waistband, as if you were wearing the garment.
4. When the articles, which are normally worn as a pair, are exhibited, both articles must be shown together. Securely fasten the article together with yarn.
5. Special consideration will be given to articles that are of original design. Such articles should have a note attached explaining the original design.
6. The exhibitor should attach an index card, no larger than 4" x 6", with the entry form to give the judge any information on what parts of the exhibit they made, processes used, or other information that the exhibitor thinks would be helpful for the judge. For all items, please indicate whether they were made from a kit. For all items, please indicate the fiber content and whether they are made of at least 60% wool. For quilted items, indicate who did the quilting and binding.
7. When the exhibit is a sewn garment that also includes one or more Fiber Art techniques (i.e., knitting, crochet, needle arts, or patchwork and quilting), the determination of what division (Clothing or Fiber Arts) and class in which to enter will be left with the 4-H participant.
8. All exhibits that need to be hung MUST have an appropriate saw tooth hanger, rod, wire, or other mechanism attached in order to be properly displayed. If necessary, the hardware is not attached, and it may not be displayed.
9. Fiber Arts Educational Notebook – Share with others what you learned in this project about a particular Fiber Art. Exhibits should be presented in a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, the technique, the budget, the supplies, the goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts. (Note: A collection of brochures, web pages, patterns, record book forms, etc., does not constitute an education notebook.) 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 premiums.

Division A: Crochet Classes

- 2500 Crochet Article
- 2501 Extra Crochet Article
- 2502 Educational Exhibit

Division B: Knitting Classes

- 2503 Knitted Article
- 2504 Extra Knitted Article
- 2505 Educational Exhibit

Division C: Needle Arts Classes

- 2506 Counted Cross-Stitch
- 2507 Embroidery & Cross-Stitch
- 2508 Needlepoint
- 2509 Appliqué

Division D: Other Fiber Arts Classes

- 2510 Patchwork Article
- 2511 Quilted Item
- 2512 Weaving (woven article)
- 2513 Ethnic Arts (article from a specific country or culture)
- 2514 Macramé Article
- 2515 Rug Making Article
- 2516 Spinning (skein – minimum 10 yards in length)
- 2517 Educational Exhibit
- 2518 Other

DEPARTMENT 26: 4-H FOODS AND NUTRITION

1. 4-H members must be currently enrolled in the Kansas 4-H Foods & Nutrition project to exhibit in this division.
2. Exhibitor may enter any number of exhibits per class. A 4-H'er may only take 1 purple-placing item to the Kansas State Fair in September.
3. **Exhibit only non-perishable foods. For food safety purposes, any food with custard and dairy-based fillings and frostings (ex. Cream cheese regardless of sugar content), 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.**
4. All exhibits are to have a completed entry tag, but do NOT attach cards to products. Be sure to attach a 4-H food label to the bottom of the plate/cardboard on which the food is on. Food labels are available at the 21 Central Extension District or online at https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf.
5. Recipes are required for all exhibits and should be on an 8.5 x 11-inch white piece of paper. Complete recipes with ingredients and instructions must be attached to the entry, or the placing will be lowered by one ribbon when judged.
6. For food safety purposes, any entries with frostings and fillings must calculate the amount of sugar in the frosting/filling recipe only. Calculation must be attached to the entry, or the placing will be lowered by one ribbon when judged. Frosting and filling need to contain more than 65% sugar for safety. Examples of how to calculate this percentage are included in the publication located at: <http://bookstore.ksre.ksu.edu/pubs/MF3544.pdf>. A worksheet is available at: https://bookstore.ksre.ksu.edu/item/frostings-and-fillings-worksheet_4H1171.
7. Alcohol is not allowed as an ingredient in food entries. Entries with alcohol will be disqualified and not be judged.
8. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe.
9. Remove baked products from baking pans and place on a heavy paper plate or a covered cardboard cut to fit the size of the product. Place food items in a clear plastic re-sealable bag. Layer Cake containers are available from the Extension Office.
10. All foam cakes shall be exhibited in an upright position with the top crust showing; no frosting.
11. **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 a re-sealable container.**
12. 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, and dry milk powder, where possible.
13. Exhibitor is encouraged to attach a 3" X 5" index card with their entry card and recipe in all food classes to give the judge any additional information that the exhibitor thinks would be helpful for the judge to know.
14. 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 exceed 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 the time of judging. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.

15. Food Gift Package. A food gift package must contain at least 3 different non-perishable 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 to 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 the intended use is; 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 according to the manufacturer's instructions. They could break during baking. No alcoholic beverages will be accepted. Any brand-name products in the basket must have the labels covered. Do not cellophane wrap your basket. All items in the gift basket must be non-perishable, and if they have frosting or glaze, you must include the sugar percentage worksheet.
16. Flop Class is for a food product that did not turn out as expected. This can help explain why it happened. Not a judged class but a learning experience.
17. The Grand Champion and Reserve Grand Champion food items and Purple Ribbon food items may be sold at the Premium Auction. A new food item must be made for the auction. Please bring auction items in a presentable fashion, e.g., on a tray, platter, or basket.

Division A: Junior (7-9 years old)

- | | |
|------|-----------------------------|
| 2600 | Non-perishable Food Product |
| 2601 | Food Gift Package |
| 2602 | Modified Food Product |
| 2603 | Flop Class |
| 2604 | Educational Exhibit |

Division B: Intermediate (10-13 years old)

- | | |
|------|-----------------------------|
| 2605 | Non-perishable Food Product |
| 2606 | Food Gift Package |
| 2607 | Modified Food Product |
| 2608 | Flop Class |
| 2609 | Educational Exhibit |

Division C: Senior (14-15 years old)

- | | |
|------|-----------------------------|
| 2610 | Non-perishable Food Product |
| 2611 | Food Gift Package |
| 2612 | Modified Food Product |
| 2613 | Flop Class |
| 2614 | Educational Exhibit |

Division D: Senior Advanced (16-18 years old)

- | | |
|------|-----------------------------|
| 2615 | Non-perishable Food Product |
| 2616 | Food Gift Package |
| 2617 | Modified Food Product |
| 2618 | Flop Class |
| 2619 | Educational Exhibit |

Division E: Miscellaneous

(All Levels – not eligible for Kansas State Fair)

- | | |
|------|-----------------------|
| 2620 | Table Setting & Menu |
| 2621 | Menu Planning (1 day) |
| 2622 | Decorated Cake |
| 2623 | Decorated Cupcake |

DEPARTMENT 27: 4-H FOOD PRESERVATION

1. Exhibits must have been preserved since the previous year's Edwards County Fair. If selected for the Kansas State Fair, the exhibit may not have been exhibited at the previous year's Kansas State Fair.
2. Exhibits must be processed in clean, clear standard canning jars, with matching brand two-piece lids. Do not use colored jars, fancy padded lids, fabric over wraps, or cozies, as they interfere with the judging process. No fancy packs unless the recipe specifies. Jars must be sealed when entered. For food safety reasons, the jars used must not be larger than the size stated in the recipe (e.g., Salsa is canned in pint jars only, no quarts). Jelly must be in ½ pint or pint jars. All other products must be in pint or quart jars.
3. Each jar must be labeled with a canning label (available at the Extension Office), giving Class Number, Product, Canning Method, Process Time, Pressure, Altitude, Name, and Address.
4. **Recipes and processing methods from the sources below are required.** Recipes must be current, tested resources listed below, AND MUST BE ADJUSTED FOR ELEVATION based on your processing location; it will be disqualified. Processing methods that will be disqualified include open kettle canning, oven canning, sun canning, and using electric multicookers. If using the Presto Precise® Digital Pressure Canner, please indicate that the appliance is used for either water bath or pressure canning. Untested recipes will be disqualified for food safety reasons. Tested recipe sources include:
 - a. K-State Research and Extension Food Preservation publications
 - b. Other University Extension Food Preservation publications
 - c. USDA Complete Guide to Home Canning, circa 2015
 - d. So Easy to Preserve, 6th edition, The University of Georgia Cooperative Extension Service
 - e. Ball® Blue Book Guide to Preserving, Ed. 38
 - f. Ball® Complete Book of Home Preserving, circa 2024
 - g. Canning Mixes (i.e., Mrs. Wage's, Ball®)
 - h. Pectin manufacturers (i.e., SureJell, Ball®)
 - i. KSRE Rapid Response Center Recipes
 - j. National Center for Home Food Preservation
 - k. Ball®
5. Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol will be disqualified and not judged.
6. There are no safe recommendations for canning white peaches or elderberries.
7. Each exhibit must have the complete recipe and instructions attached to the entry card, or it will be disqualified. The recipe must include the exhibitor's name or ID, the recipe source, the publication date, and the evolution where the food was processed. If using Mrs. Wages or Ball® Mixes, indicate the purchase date.
8. Containers may be opened at the discretion of the judge.
9. For dried foods, each exhibit will consist of 2 different dried foods according to the class entered.
10. If the dried food product is not in a canning jar, it will be lowered by one ribbon rating. Suggested amount: ⅓ - ½ cup, or three or four pieces per exhibit. Dried products must include the recipe, preparation steps, and heating instructions.
11. All meat jerky must be heated to an internal temperature of 160°F before or after drying. This is not the drying temperature! Jerky not heated to an internal temperature of 160°F will be disqualified and not judged. Heating information is found in the "Dry Meat Safely at Home" publication.

Division A: Canned Foods

- 2700 **Sweet Spread & Syrups** – one jar
- 2701 **Fruits, Juices & Mixes** (fruit salsa, pie filling, fruit juice) – one jar
- 2702 **Low Acid Vegetables** (green beans, corn, vegetable mixes) – one jar
- 2703 **Pickles, Fermented Foods, Relishes & Chutney** (fruit or vegetable) – one jar
- 2704 **Tomato & Tomato Products** (tomato juice, tomato sauce, tomato salsa) – one jar
- 2705 **Canned Meats** – one jar

Division B: Dried Foods

- 2706 **Fruit**
- 2707 **Vegetable**
- 2708 **Jerky or Meat**
- 2709 **Fruit Leather**

DEPARTMENT 28 – 4-H FORESTRY

1. 4-H members must be currently enrolled in the Kansas 4-H Forestry project to exhibit in this division.
2. 4-H'er may exhibit non-native in addition to native Kansas trees in classes.
3. 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'). Resources for exhibiting are located on the Kansas 4-H Forestry Project webpage at <https://www.kansas4-h.org/projects/natural-resources/forestry/index.html>.
4. Name or ID, club, age, and year in project should be on the front cover or in a prominent location.
5. **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) Scientific Name required in 2026; (3) Locations (city and/or county), where collected; and (4) date (day, month, year) or (month, day, year) collected.**
6. Intermediate Forester. Exhibit only in the phase(s) enrolled.
7. Senior Forester enrolled in Self-Determined can exhibit in Self-Determined Forestry at the State Fair.
8. Divide specimens into the following two sections: Native Kansas Trees and Non-Native Trees.
9. New specimens are those specimens collected during the current 4-H year and cannot be duplicate tree species of previously displayed specimens. Have samples grouped according to the year (such as "old-previous" and "new").
10. Variations of varieties do not count as different species or specimens.
11. 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.
12. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
13. In all leaf collections (Division A – Intermediate Forester), exhibit one complete leaf where possible. If the 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.
14. All work must show originality. Leaf collections and displays should not closely resemble the work of others in the same club.

Division A: Knowing Trees as Individuals (Leaf Collections) Classes

- | | |
|-------------|---|
| 2800 | <u>Beginning Forestry Collection</u> (Choose either A or B) – Juniors (7-9 years old) Only <ol style="list-style-type: none">a) Exhibit a minimum of 10 different leaves from native Kansas trees collected within the year. The exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.b) Exhibit a minimum of 5 native Kansas trees showing leaf, twig, and fruit from each species collected. |
| 2801 | <u>Intermediate Forestry Collection</u> (Choose either A or B) – <i>This class is open to those exhibiting either for the first or second time at the State Fair.</i> <ol style="list-style-type: none">a) Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the recorded number of leaf specimens collected from native Kansas trees. |

- b) Exhibit a minimum of 10 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 5 new leaves, twigs, and fruit specimens.
- 2802 Senior Forestry Collection** (Choose either A or B) – This class is open to those exhibiting *for the third or fourth time at the State Fair*.
- a) Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. The exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.
 - b) Exhibit a minimum of 15 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 5 new leaves, twigs, and fruit specimens.
- 2803 Senior Advanced Forestry** (Choose either A or B) – *This class is open to those exhibiting for the fifth time or more at the State Fair.*
- a) Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. The exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.
 - b) Exhibit a minimum of 20 native Kansas trees showing leaf, twig, and fruit from species collected. This exhibit must include 10 new leaves, twigs, and fruit specimens.

Division B: How a Tree Grows

- 2804 How A Tree Grows Notebook** – Entry may include a project notebook with 10 or more seeds collected, with pictures showing a germination study or a thin-section mount, and the age of the tree when cut, or an illustration of how a tree grows.

Division C: Tree Appreciation

- 2805 Tree Appreciation Notebook** – Entry may include a research or reporting project notebook with no more than 10 pages based on the exhibitor's selected tree. The exhibit must be of a different species of tree each year. This notebook may include sketches, drawings, pictures, a story, or any other things that will help tell about the tree you have selected.

Division D: Growing and Protecting Trees

- 2806 Growing and Protecting Trees Display or Notebook** – Entry requires a display or project notebook that explains the project and includes pictures of the project before, during, and after planting seedlings, a container tree, or a balled-and-burlapped tree. (Maximum tri-fold size is 3' x 4'.)

Division E: Tree Culture

- 2807 Tree Culture Display or Notebook** – Entry requires a display or project notebook that shows your project work and includes pictures of before, during, and after the wood lot improvement. (Maximum tri-fold is 3' x 4'.)

Division F: How Forests Serve Us

- 2808 How Forests Serve Us Exhibit** – Entry may include collected wood samples (in whole or in part) and an essay. Wood sample display to be mounted on poster board or any stiff material no larger than a 3' x 4' tri-fold. The essay should be displayed in a binder with a cover.

Division G: Educational/Creative Exhibit

- 2809 Educational Creative Exhibit** – Entry must be directly related to tree identification or Forestry. The type of exhibit is open (notebook, poster, collection box, etc.), given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair. (This is a good class to exhibit an unusual collection.)

DEPARTMENT 29: 4-H GEOLOGY

1. 4-H members must be currently enrolled in the Kansas 4-H Geology project to exhibit in this division.
2. **Exhibit box's outside dimensions should be 18" x 24" x 3.5". Plexiglass covers are required.** Boxes with glass WILL NOT be accepted. All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep exactly. If a box has a sliding Plexiglass cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used.
3. Each exhibitor is required to identify each display box by placing an identification label with their entire name or first initial with their last name, county/district, 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. Exhibitors may enter both Geology and Lapidary classes. Exhibitors may have entries in Geology classes 2900-2903, Geology Educational Exhibit (2904), Mineralogy (2905), Paleontology (2906), and Petrology (2907).
5. All new specimens must be collected in the state of Kansas (the only exception is Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO) during the current 4-H year, which will be allowed starting on the day after the conclusion of the Kansas State Fair in September.
6. For Geology Classes 2900-2907, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class, and Genus level (if possible, or part of the Genus cannot be determined). The genus specimen name is to begin with a capital letter, and the whole specimen's name must either be italicized or underlined, not both. The species name is not required; however, if a species name is used, it must be all lowercase and either italicized or underlined, but not both. The words "Phylum, Class, Genus" on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock, mineral, or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda, Class: Articulata, Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda, Class: Articulata, Genus: Composita).
7. Specimens should also be labeled with the number of specimens, date collected, specimen name or description, and locality (county) where collected.
8. 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.
9. As outlined in the General Rules of the Edwards County Fair Book, "Exhibits at the Edwards County Fair are entered and displayed at the risk of the exhibitor." For projects displayed in box-style exhibits – such as Entomology and Geology – that must be opened for judging, exhibitors may choose to include a closure mechanism on the box. While closures are not required, their use will not result in a ribbon deduction. Acceptable options include Velcro strips or hook-style fasteners. Closures should not interfere with the box's ability to be displayed and must not be lockable.

Division A: Geology Classes

2900

Beginning Geology – Juniors (7-9 years old) Only

Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. The exhibitor is limited to one exhibit box.

- 2901** **Intermediate Geology** – *Those exhibiting either the second or third time at the State Fair.*
Display at least 30 different rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4-H year. The exhibitor is limited to one exhibit box.
- 2902** **Senior Geology** – *Those exhibiting either the fourth or fifth time at the State Fair.*
Display at least 45 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4-H year. Identify the rocks as igneous, metamorphic or sedimentary. These rocks must be spelled out on labels or have a legible key. The exhibit is limited to two boxes.
- 2903** **Advanced Senior Geology** – *Those exhibiting for the sixth time or more at the State Fair.*
Display 60 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current year. Identify the rocks as igneous, metamorphic, or sedimentary. These rock types must be spelled out on labels or have a legible key. Exhibit limited to two boxes.
- 2904** **Geology Educational Exhibit** – Exhibit relating to everyday living, or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. List your sources used (example – web address or books reviewed as a citation list). Exhibit limited to 4 feet of table space. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
- 2905** **Mineralogy** – Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (i.e., Carbonates, Oxides, Silicates), and at least 3 classes must be represented. Members must use one standard display box. The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected, and chemical composition (i.e., CaCO_3 for calcite), if known.
- 2906** **Paleontology** – Display a minimum of 15 fossil specimens collected by the participant in Kansas, at least 5 of which have been collected during the current 4-H year. The fossils are to be grouped by Phylum and Class, and at least 3 phyla must be represented (e.g., Brachiopoda, Chordata, Mollusca). Members must use one standard display box. The specimens must be labeled with the number of the specimen, date collected, county where collected, formation, member or source, phylum, class, and genus or part, and geologic age (Cretaceous, Permian, Pennsylvanian, etc.).
- 2907** **Petrology** – Display a minimum of 15 rock specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. Rocks are to be grouped into the 3 rock classes (Sedimentary, Igneous, and Metamorphic). You must display at least one specimen from each of the three classes. The specimens must fit in one standard display box. Specimen labels must include a specimen number, the date collected, the name of the specimen, and the county where collected. All rocks must be identified by the formation and member name (Examples: Fort Hays Limestone, Member of the Niobrara Chalk Formation) or source (Examples: Rocky Mountain Outwash, glacial till).

Lapidary Classes

1. The lapidary will be judged on the following criteria:
 - Workmanship and Content 60 points
 - Presentation and Showmanship 30 points
 - Accuracy of Information 10 points
2. The dimensions of the box should be appropriate for the display, but the outside dimensions should not exceed 18" X 24" x 3.5". The work (polishing/tumbling) must be done by the exhibitor, as this is part of the learning process.
3. All lapidary specimens should be labeled with the following information:
 - Specimen Name
 - Place of Origin (country, state, or county; county required for Kansas specimens)
 - Purchased or Self-Collected
 - Date Lapidary Treatment Began
 - Date Lapidary Treatment Completed (Treatment completed after the Edwards County Fair is considered a new year's specimen.)

Division B: Lapidary Classes

- 2908 Beginning Lapidary** – *Only for those exhibiting lapidary for the first time at the State Fair.*
Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of “before and after”, nor do they have to be self-collected. Locales must be identified. The exhibitor is limited to one exhibit box.
- 2909 Introductory Lapidary** - Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-H'er collect any of these. Locals must be identified. Lapidary work should be done during the current 4-H year.
- 2910 Intermediate Lapidary** - Display before-and-after examples of at least 6 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least 2 varieties should be collected from the native site by the 4-H'er, at least one of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- 2911 Senior Lapidary** - Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H'er, at least two of which come from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- 2912 Advanced Senior Lapidary** - Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

DEPARTMENT 30: 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 premiums.
4. Project exhibits in this division are NOT eligible for the Kansas State Fair.

Division A: Health & Wellness Classes

- 3000** **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).
- 3001** **Project Display** (Senior 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).

DEPARTMENT 31: 4-H HORTICULTURE & LANDSCAPE DESIGN

1. 4-H members must be currently enrolled in the Kansas 4-H Horticulture and Landscape Design project to exhibit in this division
2. A variety of produce must be listed on the entry tag. Secure the entry tag to a disposable plate or container with a string or tape. Use a sturdy disposable plate, bowl, or container that will support the weight of the produce.
3. Exhibits must have been grown and/or collected by a 4-H'er. Do not use purchased plant materials. Entries should not occupy more than one square foot of table space.
4. Potted plants are not accepted.
5. All entries must be freestanding, easily moved, and not require any special equipment to display. Hanging entries are not accepted.
6. Exhibit only the number specified in each class. 4-H'er may enter 4 entries per class.
7. 4-H members may enter one horticulture notebook, in addition to the other classes.
8. In Floral Exhibits, exhibitors are encouraged to exhibit cut flowers and fresh floral arrangements in disposable containers. If a non-disposable container is used, mark it plainly with the 4-H'er's name and 4-H club. The Edwards County Fair is not responsible for the loss or damage to any flower arrangements, vases, or containers.
9. 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.

Division A: Floral Exhibits

- 3100** **Annual Garden Flower** (cut specimen) – single stem
- 3101** **Perennial Garden Flower** (cut specimen) – single stem
- 3102** **Fresh Flower Arrangement** – floral materials must be grown and/or collected by exhibitors, purchased
- 3103** **Dried Flower Arrangement** – no fabric or plastic materials allowed. Materials must be grown/collected by the exhibitor.
- 3104** **Horticulture Notebook** – a notebook or three-ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. 4-Hers are encouraged to include photographs, illustrations, and/or landscape drawings to explain the work they have done. Photos taken from the same location before, during, and after completion of the project are particularly helpful. Exhibitors may enter one horticulture notebook. Scoring is based on the following criteria:
- Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) – 20%
 - Narrative (including goals, successes, failures, etc.) – 40%
 - General Content (subject matter, photos, maps, knowledge gained, etc.) – 40%

Division B: Fruit Exhibits

- 3105** **Small Fruits** – ½ pint box (i.e., strawberries, blackberries, etc.)
- 3106** **Tree Fruits** – plate of 5 (i.e., apples, pears, peaches, etc.)
- 3107** **Grapes** – a plate of 2 bunches

Division C: Produce (Vegetable) Exhibits

- 3108** **Small Vegetables** – plate of 12 (i.e., green or yellow beans, radishes, cherry tomatoes)

- 3109** **Medium Vegetables** – plate of 5 (i.e., cucumbers, tomatoes, garlic, beets, onions, potatoes)
- 3110** **Large Vegetables** – plate of 1 (i.e., squash, cabbage, pumpkin)
- 3111** **Fresh Culinary Herbs** – a plate of 6 stems or a comparable quantity of a single variety of fresh herbs must be displayed in a disposable container of water. Dried herbs are not acceptable. (i.e., parsley, basil, dill)
- 3112** **Other Vegetable**
- 3113** **Garden Display** – Each exhibitor will be limited to four square feet of space. Display must be exhibited in a tray, basket, or container that can be easily moved by Edwards County Fair superintendents. The exhibit consists of five different types of fresh vegetables or fruits. Canned products or shelled vegetables are not acceptable. Only one variety of each type of vegetable and fruit may be exhibited. The numbers of the five types of vegetables or fruits to be exhibited are as follows:
- *Large Vegetables* (one each): cabbage, cantaloupe, eggplant, large pumpkin, squash, watermelon
 - *Medium Vegetables* (five each): beets, carrots, cucumbers, decorative gourds, potatoes, miniature pumpkins, okra, onions, peppers, radishes, sweet potatoes, tomatoes, or other similar-sized vegetables
 - *Small Vegetable* (twelve each): green snap beans, wax beans, English peas, or other similar-sized vegetables
 - *Small Fruits* (one half-pint box): strawberries, blackberries, raspberries, or other similar-sized fruits
 - *Tree Fruits* (5 each): apples, pears, peaches, or similar-sized fruits
 - *Grapes* (2 bunches)

DEPARTMENT 32: 4-H INTERIOR DESIGN AND ARCHITECTURE

1. 4-H members must be currently enrolled in the Kansas 4-H Interior Design and Architecture project to exhibit in this division.
2. An entry card must be attached to the exhibit with material appropriate to the exhibit: safety pins, tape, string, etc.
3. Projects with missing or insufficient summaries will be lowered one ribbon placement.

Division A: Interior Design Focused Classes

- 3200** **Room Design Board** – Select one room within your home or imaginary/future home (bedroom, bathroom, kitchen, etc.) to design. Create a basic floor plan showing wall footprint, including any furniture, fixtures, and/or cabinet layout. Include any other illustrations, drawings, or photographs to help support your design. Also include material/finish samples (all treatments, floor covering, paint samples, etc.). Label any drawings or finishes so the audience understands their intention. All finishes should be attached to the design board. To explain your design intent, write a brief description to be included on the design board (no more than an 8.5" X 11" page). Boards must be on foam core or a standard tri-fold display.
- 3201** **Two Collages on Design Board** (poster or display) – In this project, develop two imaginary interior rooms. Each room should start out with identical dimensions and features (doors, windows, etc.). The room's function is up to you (bedroom, coffee shop, art studio, etc.), but it should be the same for both rooms. For each space, create a mood or feeling for its occupants. The mood created in one space should be the opposite or a contrast to that of the second space. Choose a pair of contrasting words from the list provided (where do we put the list) to get started. Each collage must be on its own page. Page size preference and maximum is 11" X 17"; can use smaller dimensions if needed. Collages should convey a sense of space with a background, midground, and foreground. Once these are established, add as many layers as needed. Use print materials from magazines, colored paper, the internet, or other design materials to find furniture, lighting fixtures, textures, and other elements to complete each collage. For each collage, write a brief description of your design intent (one to three paragraphs total). Adhere both collages and design intent on a foamcore presentation board. Label each collage with the descriptive words you selected from the list. Additionally, you may include research, inspirational imagery, or any additional drawings that helped you design your space.
- 3203** **Two Diorama Models** – 4-H members will construct two dioramas, one for each space, demonstrating contrasting moods. Each diorama will be designed within similarly sized boxes. Boxes should be large enough to be easily viewed but no larger than 12" X 18". Both rooms depicted need to be the same size. Dioramas should convey a sense of space with a background, midground, and foreground. Once you have these established, you can add as many layers as needed. Use print materials from magazines, colored paper, the internet, or other design materials to find furniture, lighting fixtures, textures, and other elements to complete each room or diorama. Elements will need to be cut out and adhered to each background, midground, and foreground to reflect the room's design. Focus on selecting materials and colors to create the space's mood or essence. Use openings in your container to experiment with the effect of light in your space. Dioramas should not contain actual figures, miniature furniture/cabinets, or movable parts. All elements should be paper-adhered to materials easily found at

home. For example, magazine photos, cardstock, plastic, cardboard, chipboard, or other material to depict design finishes/elements within the diorama.

Division B: Architecture Focused Classes

3204

Marble Maze or Enclosures – Create a space in which a marble will move through a sequence of rooms, enclosures, or spaces. Use different types of elements and materials to enclose your spaces or guide the marble. Consider the size of the marble and how you want the space to feel – big and open or small and enclosed. Pay close attention to the relative sizes of architectural elements to the marble. To begin, identify a clear goal for the marble maze or enclosure. Use the glossary in the pilot project materials (located at www.Kansas4h.org under projects, then Interior Design & Architecture) to support the goal with design vocabulary. To construct the marble maze or enclosure, use household materials found around the home to create the structure. (cardboard, chipboard, construction paper, paper towel or toilet paper tubes, etc.) Materials don't have to be boring; they just need to be functional. Don't be afraid to get creative with your construction materials when thinking of your overall goal and presentation. No minimum size requirements for this project. The base of the structure should be no larger than 18" X 24" (poster board size) and 12" in height. In addition to your enclosure/maze, you may also present a small design board with illustrations/drawings to help the audience understand the marble's path of travel or the rules you designed. Write or type a brief description of your design intent (1-3 paragraphs total) to be included on the design board

3205

Marble Maze Presentation Board Only – Presentation board should be foamcore with the following items attached:

- Include drawings of your marble enclosure/maze design (examples of floor plan, section, elevations, etc.);
- Include any illustrations/drawings to help your audience understand the path of travel for the marble. You may also include high-quality photographs that show the marble's movement through the built design. Images may be annotated, meaning you can use notes to explain your thoughts/design intent on the board. This sequence of photos should visually tell the story of your design. Write or type a brief description of your design intent (1-3 paragraphs in total).

DEPARTMENT 33: 4-H LEADERSHIP

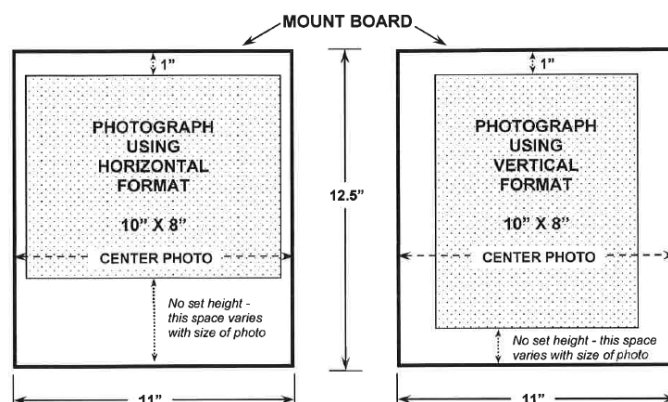
1. 4-H members must be currently enrolled in the Kansas 4-H Leadership project to exhibit in this division.
2. Posters must be on a piece of poster board or foam board, not larger than 22" x 28".
3. Displays are to be self-standing with a maximum size of a 3' x 4' tri-fold display board.
4. 4-H exhibitors 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 premiums.
5. Project exhibits in this division are NOT eligible for the Kansas State Fair.

Division A: Leadership Classes

- 3300** **Project Poster** (Junior 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).
- 3301** **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).
- 3302** **Civic Engagement Project Poster** – Poster showing your work in your community.
- 3303** **Civic Engagement Project Display** – Display showing your work in your community.

DEPARTMENT 34: 4-H PHOTOGRAPHY

1. 4-H members must be currently enrolled in the Kansas 4-H Photography project to exhibit in this division.
2. A 4-H'er may exhibit any number of black and white or color photos in this division.
3. The photographs entered must be the result of the current year's project work by the 4-H exhibitor. Photos must be taken by the 4-H member (exhibitor).
4. Photos may be no larger than 8" x 10" and no smaller than 7" x 9" after trimming.
5. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" 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 or poster board allowed.)
6. Adhering photo to matte board: A full coverage permanent mount using a spray adhesive must be used. Do NOT use household glues, glue sticks, double stick tape/patches, etc., to adhere the photo matte board. **Photos not mounted correctly will be lowered one ribbon placing after judging.** Each photo is handled numerous times throughout the Edwards County Fair judging, sorting, and display process. Proper mounting is important for durability and display purposes. An educational video for proper mounting is available at www.kansas4-H.org on the photography project webpage.



7. Photographs taken with a digital camera are allowed no more adjustments than exposure, color intensity or correction, on click filter effect, red eye removal, cropping, dodging and burning, and HDR (high dynamic range). **Please note: AI (artificial intelligence) modified images are NOT allowed.**
8. No lettering, including dates, is permitted on the front of the mount or on the photo.
9. No underlay or borders are to be used. Photos are not to be framed.
10. Remove the white border from the enlargement before mounting.
11. **No lettering, names, addresses, descriptions or personal information pertaining to the photo or exhibitor is to be written on the back of the photo matte board. The back of the photo matte board should remain blank.**
12. To protect photo exhibits, it is strongly recommended that they be placed in a photo bag available from the Extension Office. Do NOT seal bags. Bags are sealed for display once the photo has been judged.
13. Improperly mounted photos, oversized or undersized photos, or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judge.
14. Computer-manipulated photos do not include normal cropping, enlargement, or color intensity treatment. The photo must be an original taken by the exhibitor. The exhibitor must provide a small (4"x6") copy of the original photo.
15. 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.
16. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H Member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the Edwards County Fair.
17. Photos with live subject(s) on railroad right-of-way or taken from railroad right-of-way property will not be displayed at the Edwards County Fair and will be disqualified from judging.
18. Copyright protections must be observed.
19. Decisions as to display and/or penalties will be made by the Extension Staff and Photography Judge.
20. Digital Composite Image: Finished photo must be created from two or more original sources created by the exhibitor. HDR photos do not qualify for this class. Photos will be judged on photographic merit as well as manipulation technique and process.

Division A: Beginner (3 years' experience or less)

- 3400 **Color Photo**
- 3401 **Black & White Photo**

Division B: Intermediate (4-7 years' experience)

- 3402 **Color Photo**
- 3403 **Black & White Photo**
- 3404 **Photo with Special Effects**
- 3405 **Digital Composite Image**
- 3406 **Video**
- 3407 **My Favorite 4-H Photography Display** *This class is only for photography project members with 4 or more years of experience. (This class is not Kansas State Fair eligible.)* This class is a non-judged mounted display consisting of four favorite photos from the member's 4-H photography career. All four photos will be mounted, with a fifth mount reserved for a one-page, printed or handwritten narrative/description that explains each photo and why the exhibitor considers these

photos their most significant work. Photos and narrative/description will be displayed specially. This class provides an alternative way to showcase the development and accomplishments of the 4-H member's photography career.

Division C: Advanced (8 or more years' experience)

3408 Color Photo

3409 Black & White Photo

3410 Photo with Special Effects

3411 Digital Composite Image

3412 Video

3413 My Favorite 4-H Photography Display *This class is only for photography project members with 4 or more years of experience. (This class is not Kansas State Fair eligible.)* This class is a non-judged mounted display consisting of four favorite photos from the member's 4-H photography career. All four photos will be mounted, with a fifth mount reserved for a one-page, printed or handwritten narrative/description that explains each photo and why the exhibitor considers these photos their most significant work. Photos and narrative/description will be displayed specially. This class provides an alternative way to showcase the development and accomplishments of the 4-H member's photography career.

Division D: Miscellaneous Photography

3414 iPhonography (all levels of experience) – The art of creating photos with a mobile device. There is no State Fair class available.

3415 Growth Portfolio

1. Members are eligible for this class beginning with the third year of enrollment in the 4-H Photography project.
2. The exhibit will consist of one photo for each year of enrollment. Each photo must have been created in a different year and must be labeled with the year taken/project enrollment year. A maximum of 5 photos may be included if the member has 5 or more years of enrollment. Photos are not required to be in consecutive order. The growth portfolio class may start at any time in the member's photography career.
3. Photos must be 8" x 10" and may be color or black and white. Photos must be unmounted.
4. An information sheet must accompany each photo, giving the brand and model of the camera used to create the photo. The settings for focal length, aperture, mode, and shutter speed must also be listed. The skill set used to create the photo must be given and fully explained. The main goal for each year should also be given. The form for this information is available on the www.Kansas4h.org website and is fillable.
5. A short introduction of the photographer should be placed on the first page. This introduction should tell why the 4-H member enrolled in the Photography project and why they have continued to enroll. Exhibitors could also share a fun event they photographed, a learning experience that taught them new skills, or other related learning.
6. Beginning with photo #2, the member's description of GROWTH in project skill must be included on the information sheet.
7. The exhibit will consist of an introductory page, a skill sheet, and a photo from each year in chronological order and arranged in a

portfolio book. The skill sheet will go on the left-hand page, and unmounted photos on the right-hand page.

3416

Career Portfolio

1. Member must have been enrolled in Photography for five or more years, OR member must be aged 15-19 and have been enrolled in photography for at least two years.
2. Exhibit will consist of ten 8" x 10" photos showing skill development in one of the following photography areas: Portraiture, Special Effects (not done with a computer), Landscape, Photojournalism, Black and White, Nature/Wildlife, or Graphic Design (computer skills with photos). All photos must be from the current 4-H enrollment year.
3. Photos may be in color, except if the Black and White option is chosen, and must be unmounted.
4. An information sheet must accompany each photo, giving the brand and model of the camera used to create the photo. The settings for focal length, aperture, mode, and shutter speed must also be listed. This sheet may be downloaded from the www.kansas4h.org website. It is a required fillable form.
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.

DEPARTMENT 35: 4-H READING ADVENTURES

1. 4-H members must be currently enrolled in the Kansas 4-H Reading project to exhibit in this division.
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. 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 premiums.
5. Project exhibits in this division are NOT eligible for the Kansas State Fair.
6. 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: the book title and author, with the title underlined; your name; the club name; the project; and the date. This index card will need to accompany one of the following choices to exhibit:

Division A: Reading Adventure Classes

- | | |
|-------------|---|
| 3500 | Poster – advertise a book |
| 3501 | Project Display – feature a timeline showing the works of one author or a map depicting a character's travels |
| 3502 | Diorama – create a 3D miniature replica of a scene or setting from a book |

DEPARTMENT 36: 4-H ROBOTICS

1. 4-H members must be currently enrolled in the Kansas 4-H Robotics project to exhibit in this division.
2. Each exhibitor may enter any number of robots per class. Exhibits must have been constructed and/or completed during the current 4-H year. (To exhibit at the Kansas State Fair, the robot must have been selected at the Edwards County Fair.)
3. Each exhibit must include a robot. Information packets are insufficient as exhibits.
4. Robots must have automated (electric, pneumatic, hydraulic, etc.) articulated structures (arms, wheels, grippers, pneumatic, hydraulic, etc.). Game consoles that display on a screen are not considered robots and should either be entered in the Computer System division or Electrical/Alternative Energy's Electronic division. Robots that require no assembly, just programming (such as Ozobots), are considered Computer Science projects because the skill is focused on programming, not on building the robot.
5. **Robot dimensions should not exceed 2 feet high by 2 feet wide by 2 feet deep. If displayed in a case (not required for the Kansas State Fair but encouraged for the Edwards County Fair), the outside case dimensions should not be excessive. The display case should include the exhibitor's information on both the base and the cover, as the top part (lid) of the case may be separated from the display.**
6. Materials - including but not limited to USB drives, obstacles, spare batteries, and mats for testing the robot - may be placed in a separate container, which is not included in the robot's dimensions. This 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) or ID, County, and 4-H club.
7. All electric components of the robot must be adequately covered or concealed with a protective enclosure, specifically circuit boards. Paper is NOT considered an adequate enclosure or covering for electrical components.
8. Robots may be powered by battery, water, air, electric energy devices (rubber bands, balloons, etc.), 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 any kind of weaponry 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. Robots programmed on phones/tablets need to have a specific program created; using motion controls to move the robot is not acceptable, for example, "press forward on the screen to make the robot go forward." A remote is allowed, provided that more than one action occurs when a single button is pressed. 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 are not allowed. Robotic arms and hand extensions (hydraulic, mechanical, or electrical) are 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.
11. If the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device's safety cannot be ensured. Instead, record a video demonstrating the instructions included for your robot. It should show setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like how the instructions are written.

12. Exhibitors are encouraged to participate in consultative judging. However, exhibitors are allowed to include a video of themselves following their instructions for operation. The video should be no longer than 8 minutes and stored on the USB drive.
13. **Each exhibitor is required to complete the “4-H Robotics Exhibit Information Form,” which is available through the 21 Central District Extension office or at <http://robotics.engtech4ks.com/>.**
14. This form must be attached to the outside of a 10” x 13” manila envelope. All revisions of all forms previously released for the Robotic division, either undated or dated prior to the current year, are void for use, and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placement for exhibits.
15. 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 (do not need to be printed), a video, and one to five pages of project photographs are required for all robotic exhibits. For programmable robots, robot programming information must be included. This information should be placed inside the manila envelope mentioned above. Robot programming information can be, but is not limited to, source code, block diagrams, screen captures of the coding window, and other images that show the programming logic used.
16. The exhibitor may enter their robotics project in either robotics or the Electric/Alternative Energy project, if they choose, but not both.
17. All robots should have a purpose or intended function; examples include, but are not limited to, following a line, sweeping the floor, solving a Rubik's Cube, sorting colors, or climbing stairs. Creativity, workmanship, and functionality will be strong criteria in judging the “Robot Designed by Exhibitor” classes.
18. Exhibitor’s name(s) or ID, County, and 4-H club 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.
19. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H Robotics team. However, as mentioned in Rule #1, each team member must be currently enrolled in the Kansas 4-H Robotics project.

Division A: Intermediate (Ages 9 – 13 years)

- 3600 **Robot (made from purchased kit)** – no programming, just assembly
- 3601 **Robot (designed by exhibitor)** – not a mere modification of an existing robot kit or plan
- 3602 **Programmable Robot** (made from purchased kit)
- 3603 **Robot (designed and constructed by the exhibitor or from a purchased kit)** – operated by a remote-controlled device
- 3604 **Junk Drawer Robotics**

Division B: Senior (Age 14 years and older)

- 3605 **Robot (made from a purchased kit)** – no programming, just assembly
- 3606 **Robot (designed by exhibitor)** – not a mere modification of an existing robot kit or plan
- 3607 **Programmable Robot** (made from purchased kit)
- 3608 **Robot (designed and constructed by exhibitor or from purchased kit)** – operated by a remote-controlled device
- 3609 **Junk Drawer Robotics**

Division C – Team Robotics Project

- 3610 **Robot (designed and constructed by 2 or more Robotics project members)**
- The robot must not be a mere modification of an existing robot kit or plan.

The robot may be a programmable type purchased as a kit. This division is designed to encourage teamwork and cooperation among fellow 4-H Robotic members. As with many current high-tech projects, no single person designs and builds a robot. It takes brainstorming, planning, problem-solving, and the cooperation of an entire team to complete a robotic project.

Robotics Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to Robotics.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational display boards, posters, and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://robotics.engtech4ks.com/>.
5. Follow copyright laws, citing all sources of information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (*Example citation: "Make a Star Finder"* <https://spaceplace.nasa.gov/starfinder/en>).
6. Educational displays are not to exceed a standard commercial 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
7. Posters are limited to a commercial 3' X 4' tri-fold display board.
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 2' x 2' x 2' and must have a latch that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
9. Educational Project notebooks must be organized in a 3-ring binder or similar book.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. For educational displays and/or posters, the exhibitor's name or ID, 4-H club, county/district, age, and year(s) in the project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.
12. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme;
 - b. What you want others to learn;
 - c. Be designed and constructed in a manner befitting the exhibit;
 - d. Be something you are interested in;
13. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, may receive a reduced ribbon placement or participation ribbon.

Division D: Intermediate Robotics Educational Exhibits (Ages 9-13)

- | | |
|-------------|---|
| 3611 | Intermediate Robotics Educational Display |
| 3612 | Intermediate Robotics Educational Notebook |
| 3613 | Intermediate Robotics Educational Poster |

Division E: Senior Robotics Educational Exhibits (Ages 14 and older)

- 3614 Senior Robotics Educational Display
- 3615 Senior Robotics Educational Notebook
- 3616 Senior Robotics Educational Poster

Division F: Team Robotics Educational Projects

- 3617 Team Robotics Educational Display
- 3618 Team Robotics Educational Notebook
- 3619 Team Robotics Educational Poster

DEPARTMENT 37: 4-H SELF-DETERMINED PROJECTS

1. This division is only for 4-H'ers enrolled in the 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 premiums.
6. Project exhibits in this division are NOT eligible for the Kansas State Fair.

Division A: Self-Determined Classes

3700	Item
3701	Poster
3702	Display
3703	Collection
3704	Notebook or Scrapbook
3705	Other

DEPARTMENT 38: 4-H SEWING AND TEXTILE DESIGN

1. All exhibitors must be enrolled in the Sewing and Textile Design project. (To exhibit at the Kansas State Fair, the exhibit must have competed at the Edwards County Fair in Sewing and Textile Design, receiving at least a blue ribbon.)
2. Articles, garments, and outfits may have been used/worn but should be carefully laundered or cleaned before being exhibited. Exhibits may be placed in clear plastic bags for protection to and from the Edwards County Fair. Bags will be removed for clothing display purposes. Items should be hung on swivel or wire hangers (no plastic hangers). Multiple-piece exhibits should be fastened together, and the number of pieces should be noted on the card.
3. Identification Labels (sewn on or use a safety pin, no straight pins may be used):
 - a. Type or print on a 3" x 2½" piece of cloth: Class Number, 4-H Club, County/District, Exhibitor Name, and number of pieces in exhibit (i.e., 1 of 2, 2 of 2).
 - b. Attach labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece of the exhibit.
 - c. An entry form and score card will be placed on the garment after judging.
 - d. Please use string to tie together the hangers of exhibits that require more than one hanger. Examples: Dress and Jacket, Top and Skirts, etc.
4. Pre-cut kits are acceptable for all clothing classes. All articles/garments must be finished for use.
5. Exhibitors are encouraged to participate in consultative judging. The exhibitor is also welcome to attach an index card or photo, no larger than 4" x 6", to the entry form to provide the judge with any information the exhibitor considers helpful, including care information.
6. Educational Exhibit Classes offer exhibitors the chance to share with others what they learned in the Sewing and Textile project. Exhibits may be in the form of posters, notebooks, or displays. 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. Take care to select durable materials that will withstand the conditions at the Edwards County Fair. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" x 28". If the exhibit is a display, the maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board. Name and 4-H club must be clearly marked on educational exhibits.
7. The Recycled Clothing Project consists of an item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. An index card (no larger than 4" x 6") MUST accompany the entry describing the recycled materials and how they were used in the item.

Division A: Junior Sewing and Textile Design

- | | |
|-------------|--|
| 3800 | Article Constructed by Junior (7-9 years old) 4-H'er |
| 3801 | Other Item Constructed by Junior (7-9 years old) 4-H'er |
| 3802 | Junior (7-9 years old) Educational Exhibit |
| 3803 | Junior (7-9 years old) Recycled Clothing Project |

Division B: Intermediate Sewing and Textile Design

- | | |
|-------------|--|
| 3804 | Article Constructed by Intermediate (10-13 years old) 4-H'er |
| 3805 | Other Item Constructed by Intermediate (10-13 years old) 4-H'er |
| 3806 | Intermediate (10-13 years old) Educational Exhibit |
| 3807 | Intermediate (10-13 years old) Recycled Clothing Project |

Division C: Senior Sewing and Textile Design

3808	Article Constructed by Senior (14-5 years old) 4-H'er
3809	Other Item Constructed by Senior (14-15 years old) 4-H'er
3810	Senior (14-15 years old) Educational Exhibit
3811	Senior (14-15 years old) Recycled Clothing Project

Division D: Advanced Sewing and Textile Design

3812	Article Constructed by an Advanced Senior (16-18 years old) 4-H'er
3813	Other Item Constructed by an Advanced Senior (16-18 years old) 4-H'er
3814	Advanced Senior (16-18 years old) Educational Exhibit
3815	Advanced Senior (16-18 years old) Recycled Clothing Project

Sewing and Textile Constructed Garments Revue

1. Complete a Judge's Score Card and Cost Per Wear Form. Exhibitor may include descriptors like fabric, colors, accessories, where you will wear the outfit, what you like best, etc.
2. Participants may model only what can be worn. Garments cannot be carried.
3. Contestants should use good sense in choosing items that are appropriate to be modeled publicly.
4. No live animals may accompany participants in the public revue, except for a needed service animal.
5. In Sewing and Textile Design Constructed Garments Revue, a majority of the outfit must be constructed and modeled by the 4-H member who made the garment/outfit. Everything which is commonly considered an outer garment must be constructed (vest, jacket, dress, skirt, pants, coat, etc.). A sweater, blouse, or shirt worn underneath another garment can be purchased or made.
6. To participate in the Kansas State Fair's 4-H Sewing and Textile Constructed Garments Revue, the exhibitor must have been declared the winner at the Edwards County Fair. Alternates may participate if the winners are unable to attend.

Division E: Sewing and Textile Garment Revue Classes

3816	Junior (7-9 years old) Article
3817	Junior (7-9 years old) Outfit
3818	Intermediate (10-13 years old) Article
3819	Intermediate (10-13 years old) Outfit
3820	Senior Article (14-18 years old) Article
3821	Senior Outfit (14-18 years old) Article

DEPARTMENT 39: 4-H SHOPPING IN STYLE

1. All exhibitors must be enrolled in the Shopping in Style project.
2. Posters can be flat poster board or foam board, no larger than 22" x 28".
3. Tri-fold educational displays must be free-standing and no larger than 36" x 48".
4. Photos of 4-H members in purchased outfits must demonstrate criteria as outlined on the score sheet. Consider multiple angles, good lighting, and highlight details so the judge can accurately evaluate the exhibit.
5. Exhibits should include actual photos of 4-H member in garments and may also include pictures from magazines or the internet.

Division A: Shopping in Style Classes

- 3900 Junior (7-9 years old) Shopping in Style** - Choose one of the following activities from Unit 1 or Unit 2 of the curriculum project manuals. An exhibit should consist of a poster that showcases:
- a. A garment you purchased that reflects your personal style and explains how this garment reflects your style and how it influences what others think of you; OR
 - b. A garment you purchased and explain how your personal style either aligns or contradicts what is considered to be "in style" today; OR
 - c. A garment you purchased and explain or illustrate how this garment is a modern version of a fad or fashion from an earlier decade; OR
 - d. A garment you purchased and explain how this garment reflects a different ethnic or cultural influence; OR
 - e. A garment you purchased that includes a color discussion that provides an overview of how different colors and skin tones influence garment selection.
- 3901 Intermediate (10-13 years old) Shopping in Style** – Choose one of the following activities from Unit 3 or Unit 4 of the curriculum manuals. An exhibit should consist of a display that showcases:
- a. An outfit you purchased to wear with a clothing item that was already in your wardrobe that still fits, but you haven't worn it anymore. Explain why the clothing item was not being worn and what you did to transform it into a wearable garment again; OR
 - b. A top and bottom that you purchased, as well as at least three pieces of clothing in your existing wardrobe that you can mix and match with the new items to create multiple outfits. Includes a clothing inventory and explains what you have learned by completing this activity; OR
 - c. An outfit you purchased and explain why you selected the garment you did, your shopping budget, and cost per wear; OR
 - d. An outfit you purchased and explain how advertising influences clothing purchases, making a distinction between wants and needs. Include your shopping budget and cost per wear; OR
 - e. An outfit you purchased, along with a cost comparison between garments/accessories purchased vs. sewing/constructing the outfit. The comparison should include a variety of shopping options and/or price tracking across stores over time.
- 3902 Senior (14-18 years old) Shopping in Style** – Choose one of the following activities from Unit 5 or Unit 6 of the curriculum project manuals. An exhibit should consist of a display that showcases:
- a. An outfit you purchased and care requirements not only for this garment but also for garments made of other natural and synthetic

fibers. Display should also include a care cost analysis for garments of different fibers; OR

- b. An outfit you purchased that you have repaired or altered. Include a clothing inventory list, which includes cost savings for repaired items as compared to purchasing replacement garments; OR
- c. An outfit you purchased, along with plans and commentary for a fashion show that would capture the attention of an audience. Plans should identify the target audience, venue, theme, budget, and logistical plan for the fashion show; OR
- d. An outfit you purchased and explain 3 methods of clothing repair that you have learned, i.e., torn seam, torn hem, replacing a button, etc. The display should include photos and a list of the items in your assembled first-aid kit for clothing. Include itemized expenses; OR
- e. An outfit you purchased and feature any other completed activity from the Shopping in Style curriculum of your choosing that isn't listed above.

Shopping in Style Fashion Revue

1. 4-H'er may enter up to 5 outfits for Fashion Revue; 1 outfit per class.
2. Judging will take place on Tuesday, July 1, starting at 5:30 p.m. Results will be announced at the Public Shopping in Style Fashion Revue, held on Wednesday during the Fair, on July 9 at 6:00 p.m. in the Show Arena.
3. In Shopping in Style Fashion Revue, a majority of the outfit must be purchased (not borrowed) and modeled by the 4-H member or made by another individual for the 4-H member, if the fabric and pattern were chosen by the 4-H member. Everything commonly considered an outer garment must be purchased by the 4-H member or constructed by another person (vests, jackets, dresses, skirts, pants, coats, etc.).
4. Fashion Revue outfits must be pre-entered by the date specified by the 21 Central District Extension Office. A description of each outfit and accessories is also required. Some descriptors may include fabric, colors, accessories, where you will wear the outfit, what you like best, etc. The forms are available online at www.21central.ksu.edu.
5. Intermediate and Senior 4-H members should also complete the Cost Per Wear Form.
6. Fashion Revue participants are required to participate in the Public Fashion Revue and may model up to 2 outfits in the Public Fashion Revue.
7. Shopping in Style garments will be displayed during the Edwards County Fair. The 4-H'er is responsible for bringing their garments in during entry time.
8. Grand Champion and Reserve Grand Champion Intermediates and Seniors are the only ones allowed to compete at the Kansas State Fair's 4-H Shopping in Style Fashion Revue.
9. Participants may model only what can be worn. Garments cannot be carried.
10. Contestants should use good sense in choosing items that are appropriate to be modeled publicly.
11. No live animals may accompany participants in public Shopping in Style Fashion Revue; exception for service animals.

Shopping in Style Fashion Revue Class Descriptions:

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

Division B: Junior (7-9 years old) Shopping in Style Fashion Revue

- 3903 Junior Dress-Up Wear
- 3904 Junior School/Casual Wear
- 3905 Junior Sports/Play Wear
- 3906 Junior Western-Style Wear
- 3907 Junior Other
- 3908 Junior Thrifty
- 3909 Junior Formal

Division C: Intermediate (10-13 years old) Shopping in Style Fashion Revue

- 3910 Intermediate Dress-Up Wear
- 3911 Intermediate School/Casual Wear
- 3912 Intermediate Sport/Play Wear
- 3913 Intermediate Western-Style Wear
- 3914 Intermediate Other
- 3915 Intermediate Thrifty
- 3916 Intermediate Formal

Division D: Senior (14 years and older) Shopping in Style Fashion Revue

- 3917 Dress-Up Wear
- 3918 School/Casual Wear
- 3919 Sports/Play Wear
- 3920 Western-Style Wear
- 3921 Other
- 3922 Thrifty
- 3923 Formal

DEPARTMENT 40: 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.

Division A: Archery Classes

- 4000 **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.
- 4001 **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.
- 4002 **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.
- 4003 **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.
- 4004 **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.
- 4005 **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.
- 4006 **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.
- 4007 **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.

Division B: Air Pistol Classes

- 4008 **Novice:** Slow fire, 20 shots
- 4009 **Intermediate:** Slow fire, 20 shots; Silhouettes, 20 shots
- 4010 **Advanced:** Slow fire, 20 shots; Rapid fire, 20 shots; Silhouettes, 20 shots

Division C: Air Rifle Classes

- 4011 **Novice:** 3 positions, 10-bull targets, 10 shots each position, 30 shots total
- 4012 **Intermediate:** 3 positions, 10-bull targets, 10 shots each position, 20 shots total

- 4013 **Advanced (13 and under):** 3 positions, 10-bull targets, 10 shots each position, 20 silhouette shots, 50 shots total
- 4014 **Advanced (14 and over):** 3 positions, 10-bull targets, 10 shots each position, 20 silhouette shots, 50 shots total

Division D: BB Gun Classes

- 4015 **Novice:** 2 positions, prone and kneeling or sitting, 10-bull targets, 10 shots each position, 20 shots total
- 4016 **Intermediate:** 3 positions, kneeling or sitting, 10-bull targets, 10 shots each position, 30 shots total
- 4017 **Advanced:** 4 positions, 10-bull targets, 10 shots each position, 40 shots

Division E: Hunting Skills Classes

- 4018 **Novice:** Written test & score from 1 discipline shot at Fair.
- 4019 **Intermediate:** Written test & scores from 2 disciplines shot at Fair.
- 4020 **Advanced (13 and under):** Written test & scores from 3 disciplines shot at Fair.
- 4021 **Advanced (14 and over):** Written test & scores from 4 disciplines shot at Fair.

Division F: Muzzle Loading Classes

- 4022 **Novice:** 10 bench shots at 25 yards (100 points)
- 4023 **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)
- 4024 **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)

Division G: Shotgun Classes

- 4025 **Novice:** 50 shots at 16 yards
- 4026 **Intermediate:** 25 shots at 16 yards and 25 shots at 20 yards, for a total of 50 shots
- 4027 **Advanced (13 and under):** 25 shots at 16 yards and 25 shots at 20 yards, for a total of 50 shots
- 4028 **Advanced (14 and over):** 25 shots at 16 yards and 25 shots at 20 yards, for a total of 50 shots

Division H: Small Bore Pistol Classes

- 4029 **Novice:** Slow fire (B-2 targets), 5 shots per bull; 20 shots total
- 4030 **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.
- 4031 **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

Division I: Small Bore Rifle Classes

- 4032 **Novice:** 3 positions (A 23/5 target), 10 shots per position; 30 shots total
- 4033 **Intermediate:** Silhouettes – 10 chickens at 40 meters, 10 pigs at 60 meters, 10 turkeys at 77 meters, 10 rams at 100 meters; 40 shots.
- 4034 **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

Shooting Sports Exhibits

1. Exhibits in this division are open to educational displays, promotional posters, or experiential displays.
2. 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.
3. National Minimum Standards and Best Practices <https://4-hshootingsports.org/wp-content/uploads/2024/01/12.13.23-Minimum-Standards-Update.pdf> MUST be followed as

well as the Kansas 4-H Shooting Sports Handbook

https://bookstore.ksre.ksu.edu/pubs/kansas-4-h-shooting-sports-handbook_4H1101.pdf.

Exhibits that do not meet these standards will be disqualified.

4. The exhibit size rule will be strictly enforced. Exhibits exceeding the size guidelines will be disqualified. The maximum exhibit size for all exhibits in this division is 4' X 6'. Larger exhibits will be turned away.
5. Take care to select durable materials to withstand Edwards County Fair conditions.
6. Educational displays must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3' x 4' unless there is a topper that sits on top of the board and does not take up additional table space; no additional table space will be available for promotional brochures or display items; content not to exceed display board borders.
7. Promotional poster must be flat and no larger than 22" x 30"; content not to exceed display board borders. Exhibits may be displayed on the wall.
8. Notebooks must be no larger than 8½ x 11 inches.
9. Exhibitors must comply with state and federal laws, enforced by the Edwards County Fair and the 21 Central Extension District.
10. No "live" ammunition containing propellant or explosive powders may be used in any display. An inert substitution must be used in lieu of powder and "live" ammunition. The substitution must be clearly described on the back of the poster, display, or in a notebook.
11. The Kansas 4-H Youth Development, KSRE, 21 Central Extension District, and Edwards County Fair Board are not liable for the loss or damage of any personal property included as part of your poster, display, or notebook.
12. Name, 4-H club, age, and year in project should be on the front of the poster, display, or notebook, unless special arrangements are made because of declination of publicity release.
13. Exhibit topics regarding firearm care, handling, and shooting will only be accepted from 21 Central District's 4-H Certified Shooting Sports Programs and enrolled 4-H youth in the specific Shooting Sports Project, and must follow National and State policies, minimum standards, and best practices.
14. Exhibits will not be accepted if they are related to reloads.

Division J: Educational/Promotional Classes

- 4035** **Educational Display** – must be directly related to the 4-H Shooting Sports project (standard tri-fold boards only)
- 4036** **Promotional Poster** – must promote the 4-H Shooting Sports project
- 4037** **Notebook** – contents must pertain to some phase, results, story, or information about 4-H Shooting Sports

Division K: Experiential Classes

- 4038** **Shooting Aid or Accessory** (SF253) - Any item the 4-Her makes that helps the shooter/hunter perform their sport better; examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is, and what it is used for.
- 4039** **Storage Case** - (SF254) - Any item the 4-Her makes with the purpose of safely holding a firearm, bow, ammunition, and/or arrows. Examples: soft-sided shotgun case, quivers, firearm safe; include your design or the plans you adapted. Explain how the storage case is used.
- 4040** **Practice Game or Activity** - (SF255) - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials from 4-H members who played it, the skill being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

DEPARTMENT 41: 4-H SMALL ENGINES

1. All exhibitors must be enrolled in the Small Engines project.
2. Each exhibitor may enter any number of exhibits per class. Exhibits must have been completed during the current 4-H year. (To exhibit at the Kansas State Fair, 4-H'ers must be selected at the Edwards County Fair.)
3. **All exhibits should involve engines smaller than 25 horsepower. Engines should contain NO fuel in the gas tank or carburetor.**
4. Each Small Engines exhibit must include a "4-H Small Engines Form", which is available at <http://engines/engtech4ks.com/>. This form must be attached to the outside of a 10" X 13" manila envelope. Place exhibit paperwork and/or any pictures inside the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed.
5. Items that have been used should be cleaned for exhibit.
6. A sheet of operating instructions must be included in the packet for any exhibit that is not self-explanatory.
7. All exhibits in this division are limited to standard, tri-fold display boards (36" X 48"), and items may not extend beyond 24" from the back board. All displays must be self-standing.
8. As exhibitors prepare their exhibits, appropriate PPE (Personal Protection Equipment) is required.
9. 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.
10. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, may receive a reduced ribbon placement or disqualification.

Division A: Small Engine Classes

- 4100 Display** – Exhibit a display, selecting one of the following options:
1. A display identifying different engine or lawn and garden equipment parts, or a display showing the function of the various engine or lawn and garden equipment parts;
 2. A display identifying and explaining the function(s) of different special tools needed for small engine repair or maintenance;
 3. A display illustrating and providing the results of any one of the experiments that are included in the project books.
 4. No complete engines, lawn tractors, tillers, or chainsaws are permitted for display in this class. The maximum tri-fold or display board size is 3' X 4'; items may not extend beyond 24" from the back of the display board.
- 4101 Maintenance** – Exhibit a display that illustrates either:
1. Routine maintenance procedures;
 2. Diagnosing and troubleshooting specific problems in an engine.
 3. No complete engines, lawn tractors, tillers, chainsaws, etc., are permitted for display in this class. The maximum tri-fold or display board size is 3' X 4'; items may not extend beyond 24" from the back of the display board.
- 4102 Operation** – Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include a maintenance schedule for the engine and a brief description of the steps the member followed during the engine's overhaul or rebuild. The engine should contain NO fuel in the tank or carburetor. All exhibits in this class must be self-standing.

DEPARTMENT 42: 4-H UNCREWED AIRCRAFT SYSTEMS

1. The 4-H members must be currently enrolled in the 4-H Uncrewed Aircraft Systems project to exhibit in this division.
2. Each exhibitor may enter any number of exhibits per class. Exhibits must have been completed during the current 4-H year. (To exhibit at the Kansas State Fair, 4-H'ers must be selected at the Edwards County Fair.)
3. The information that accompanies the UAS must be limited to the 4-H Exhibit Information Form, which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the UAS. This may be downloaded from <http://uas.engtech4ks.com/>. Any UAS exhibit that does not include this completed envelope will receive a participation ribbon. Forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
4. Exhibitors are encouraged to participate in consultative judging. Each exhibit may also include a video of the youth operating their UAS. This allows judges to better understand the exhibit and gives the youth the opportunity to fully demonstrate it. The video should be no longer than 8 minutes, be in MP4 format, and be stored on a USB drive.
5. Exhibitor's name or ID, 4-H club, county/district, age, and years(s) in project must be tagged or labeled on the exhibit, educational display, notebook, and/or poster.
6. Uncrewed Aircraft Systems that include or depict weaponry of any kind will be disqualified.
7. For scratch-built UAS kits, 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, may receive a reduced ribbon placement or disqualification.
9. The same UAS may be used by multiple exhibitors for different practical application entries.
10. For practical application entries, the UAS is not required to be displayed as part of the exhibit, only the supporting material illustrating the application.

Division A: Intermediate Division (Ages 10-13)

- 4200 Uncrewed Aircraft System** - Designed and constructed by the 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.
- 4201 Practical Application of an Uncrewed Aircraft System** (constructed from a 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, bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

Division B: Senior Division (Ages 14 and older)

- 4202 Uncrewed Aircraft System** - Designed and constructed by the 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.
- 4203 Practical Application of an Uncrewed Aircraft System** (constructed from a 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, bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

UAS Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required. No manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to Uncrewed Aerial Systems.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting materials.
4. Educational display boards, posters, and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have improved during the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet is available at <http://uas.engtech4ks.com/>.
5. Follow copyright laws, citing all sources of information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards. (Example citation: "Make a Star Finder" <https://spaceplace.nasa.gov/starfinder/en>).
6. Educational displays are not to exceed a standard commercial 4' high X 3' wide X 2' deep. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand the conditions at the Edwards County Fair.
7. Posters are limited to commercial 3' X 4' tri-fold display boards.
8. "Construction Kits" that are part of educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 2' x 2' x 2' and must have a latch that securely keeps all components contained in the "Construction Kits." Other components are to adhere to appropriate dimensions.
9. Educational Project notebooks must be organized in a 3-ring binder or similar book.
10. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
11. For educational displays and/or posters, the exhibitor's name or ID, 4-H club, county/district, age, and year(s) in the project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in a one-ribbon placement deduction.
12. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme;
 - b. What you want others to learn;
 - c. Be designed and constructed in a manner befitting the exhibit;
 - d. Be something you are interested in;
13. If a safety violation is noted by judges, the superintendent, or Extension staff, the exhibitor's exhibit, at the judge's discretion, may receive a reduced ribbon placement or disqualification.

Division C: Uncrewed Aircraft System – Intermediate Educational Division (Ages 9-13)

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|------|--|
| 4204 | Intermediate Unmanned Aerial System Educational Display |
| 4205 | Intermediate Unmanned Aerial System Educational Notebook |
| 4206 | Intermediate Unmanned Aerial System Educational Poster |

Division D: Uncrewed Aircraft System – Senior Educational Division (Ages 14 and older)

- | | |
|------|--|
| 4207 | Senior Unmanned Aerial System Educational Display |
| 4208 | Senior Unmanned Aerial System Educational Notebook |
| 4209 | Senior Unmanned Aerial System Educational Poster |

DEPARTMENT 43: 4-H VETERINARY SCIENCE

1. The 4-H members must be currently enrolled in the Veterinary Science project to exhibit in this division.
2. A Veterinary Science exhibit may consist of a poster, notebook, project display, or diorama. The exhibit may represent material from any of the Veterinary Science projects, including entry-level exhibits from Unit 1.
3. If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma, or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be demonstrated, including the use of drapes, sterile procedures, the wearing of gloves, and other appropriate veterinary medical practices.
4. First-Aid Kits: Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits that wish to include medication information should instead use written descriptions, photographs, drawings, computer-generated printouts, or the empty packaging of pharmaceuticals.
5. Veterinary Science Posters: This exhibit presents the view with a design that is simple and direct, unlike a display that usually presents more information. A poster should not exceed 22" x 30" and may be either vertical or horizontal. Trifolds and framed posters will not be accepted as a poster entry.
6. Veterinary Science Displays: A Display may include, but is not limited to, a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton, teeth, samples of leather, fur, or dried skin damaged by disease or parasites), or a notebook. All displays need to be on a 3' X 4' trifold board or in a three-ring binder. Smaller boards will not be accepted.
7. Veterinary Science Notebooks: Individual entries are to be placed for display in a three-ring notebook for competition. Notebooks may not be larger than 8½" x 11".
8. Veterinary Science Diorama: A diorama is a 3-dimensional model or exhibit that depicts a scene, event, or environment. All dioramas need to be contained. The size is not to exceed 3' X 3' X 3'.
9. 4-H member's name or ID, County/District, age, and year in project should be on the front of the poster, display, notebook, or diorama.
10. Neither the Edwards County Fair, 21 Central Extension District, nor KSRE 4-H Youth and Development is liable for the loss or damage of any personal property included as part of your poster, display, notebook, or diorama.
11. Appropriate topics include Maintaining Health; Specific Disease Information; Photographic Display of Normal and Abnormal Characteristics; Animal Health or Safety; Public Health or Safety; Proper Animal Management to Ensure Food Safety and Quality; Efficient and Safe Livestock Working Facilities; and a topic of the exhibitor's choosing related to veterinary medicine or veterinary science.
12. Because these are science displays, all references and information must be properly cited. Make sure to highlight all sources and references. Proper sources include but are not limited to professional journals and publications, professional AVMA-accredited websites, interviews with veterinarians, and excerpts from veterinary education literature. Plagiarism will result in disqualification. Please study your topic and present the information to your audience in your own words.

13. The Veterinary Science Modules are for sourcing, referencing, and learning purposes. The modules are not for project submission. Any notebooks, posters, displays, or dioramas submitted that include only Veterinary Science Modules will be disqualified.

Division A: Veterinary Science Classes

4300	Veterinary Science Notebook
4301	Veterinary Science Poster
4302	Veterinary Science Display
4303	Veterinary Science Diorama

DEPARTMENT 44: 4-H VISUAL ARTS

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. **Each Visual and Fine Art exhibit will need a completed Judging Rubric at check-in time.** All Visual and Fine Arts exhibits are evaluated using a Visual Arts Rubric. The 4-H member is responsible for completing the top section of the rubric for judging purposes. Members are encouraged to think of this rubric as a recipe to assist with consultative judging and for those who do not participate. **Exhibits will be lowered by 1 ribbon if a 4-H member does not complete the rubric.**
3. An exhibit that is to be hung should be appropriately framed/mounted with hangers attached so it can be displayed as such.
4. 4-H members may display exhibits only in classes in which they are enrolled.
5. **Designate on entry tag, rubric, 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.) Exhibitors are encouraged to create original designs. (Follow copyright laws, citing all sources of information in a standard notation.) Kits and preformed molds are not considered original. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit. Sources of information must be cited in your exhibit.
6. A "kit" is described as any art project that comes pre-packaged or boxed as a "kit". This is not allowable for most Visual and Fine Arts projects. Examples include: paint-by-numbers, diamond art kits, string art, etc.
7. **Leather project kits are acceptable due to leather being precut for particular projects.** If a 4-H member makes their own leather pattern, that should be explained on the rubric and the pattern included.
8. "Original Art" – is described as a 4-H member creating their own pattern or art project that contains paint, diamond art beads, string art, or any other medium, then it becomes their own work, and in turn can evolve into an allowable project. Combining parts of different patterns (pictures, photographs, images from the internet or a magazine) with the member's own ideas can result in an original design. Changing only the color, pattern, or size does not make the design original. **The design process for original art by the 4-H member must be explained in the judging rubric.**
9. Two-Dimensional Art is described as a form of visual art that exists on a flat surface and has width and height but no depth. Examples: drawings, paintings, and prints.
10. Three-Dimensional Art is described as a form of art that has height, width, and depth and can be viewed from multiple angles. 3D art takes up physical space. Examples: clay molding, glass blowing, sculptures, castings, modeling, carving, and construction.
11. Painted craft versus glazed pottery is when a 4-H member uses acrylic paint on pre-made ceramic pieces; it is considered a painted craft. When a 4-H member applies glaze to greenware and then fires the piece, that is considered pottery/ceramics.
12. Multipiece items should be marked accordingly.
13. No plants or plant materials needing watering can be entered as an art display or item.
14. 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)

Division A: Junior Arts & Crafts (7-9 years old)

- | | |
|------|----------------------------------|
| 4400 | Paper Construction (cut & paste) |
| 4401 | Printing |
| 4402 | Fiber |

4403	Crafts
4404	Carving
4405	Leather (kit)
4406	Flower Arrangement (dried, silk, plastic, etc.)
4407	3-D Construction
4408	Jewelry
4409	Glass
4410	Recycled Materials
4411	Holiday
4412	Other – small
4413	Other – large

Division B: Intermediate Arts & Crafts (10-13 years old)

4414	Printing
4415	Fabrics or Fibers
4416	Leather (kit)
4417	Crafts
4418	Carving
4419	Flower Arrangement (dried, silk, plastic, etc.)
4420	3-D Construction
4421	Jewelry
4422	Glass
4423	Recycled Materials
4424	Holiday
4425	Other – small
4426	Other – large

Division C: Senior Arts & Crafts (14-18 years old)

4427	Carving
4428	Leather (kit)
4429	Leather (original)
4430	Crafts
4431	Flower Arrangements (dried, silk, plastic, etc.)
4432	3-D Construction
4433	Jewelry
4434	Fabrics & Fibers
4435	Glass
4436	Recycled Materials
4437	Holiday
4438	Other – small
4439	Other - large

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. Articles exhibited should be an original design created by the exhibitor. 4-H exhibitors should avoid using copyrighted and/or trademarked materials whenever possible, by originating his/her work.
3. Designate on the 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. The 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)
5. 4-H members may display exhibits only in classes in which they are enrolled.

6. Edwards County may submit one or two entries for Fine Arts at the Kansas State Fair. Items will be selected during the Edwards County Fair.

Division D: Junior Fine Arts (7-9 years old)

- 4440 Drawing or Painting
- 4441 Sculpting
- 4442 Ceramics
- 4443 Pottery
- 4444 Pottery (wheel-thrown)
- 4445 Other

Division E: Intermediate Fine Arts (10-13 years old)

- 4446 Drawing or Painting
- 4447 Sculpting
- 4448 Ceramics
- 4449 Pottery
- 4450 Pottery (wheel-thrown)
- 4451 Other

Division F: Senior Fine Arts (14-18 years old)

- 4452 Drawing or Painting
- 4453 Sculpting
- 4454 Ceramics
- 4455 Pottery
- 4456 Pottery (wheel-thrown)
- 4457 Other

DEPARTMENT 45: 4-H WILDLIFE

1. Exhibitors must be enrolled in the Kansas 4-H Wildlife project to exhibit in this division.
2. See General Regulations – 4-H Section
3. **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.
4. **No “live” ammunition containing propellant or explosive powders may be used in any display.** An inert substitution must be used in lieu of powder and “live” ammunition; the substitution must be clearly described on the back of the poster, display, or in a notebook.
5. Exhibits MUST NOT display, describe, or depict firearms or firearm components that are not allowed by the 4-H Shooting Sports National Minimum Standards.
6. Edwards County Fair Board, 21 Central Extension District, and KSRE 4-H Youth & Development are not responsible for damage during the exhibition period.
7. Exhibits in this division are open to educational displays, promotional posters, or experiential displays. Exhibits should reflect learning in the project area.
8. Name, 4-H club, county/district, age, and year in project should be in a prominent location on the exhibit.
9. The exhibit size rule will be strictly enforced. Exhibits exceeding the size guidelines will be disqualified. The maximum exhibit size for all exhibits in their division is 4' X 6'. Large exhibits will be turned away.
10. Educational Display: must be the standard tri-fold board ONLY, must not exceed standard tri-fold 3' X 4' unless there is a topper that sits on top of the board and does not take up additional table space. No additional table space is available for promotional brochures or display items; content must not exceed the display board borders. Displays are to be self-standing.
11. Posters must be flat and no larger than 22" x 30"; content not to exceed display board borders. Exhibits may be displayed on walls.
12. Notebooks: Individual entries are to be placed for display in a three-ring notebook for competition. Notebooks may not be larger than 8½" x 11".
13. 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 premiums.
14. Wildlife exhibits that reflect harvesting of wildlife must follow National Minimum Standards and Best Practices <https://4-hshootingsports.org/wp-content/uploads/2024/01/12.13.23-Minimum-Standards-Update.pdf> MUST be followed as well as the Kansas 4-H Shooting Sports Handbook https://bookstore.ksre.ksu.edu/pubs/kansas-4-h-shooting-sports-handbook_4H1101.pdf and Kansas Fish and Game Laws. Exhibits that do not meet these standards will be disqualified.
15. Exhibit topics regarding firearm care, handling, and shooting will only be accepted from 4-H youth enrolled in specific 21 Central District-approved 4-H Certified Shooting Sports Programs.
16. Exhibits will not be accepted if they are related to reloads.
17. Taxidermy: The exhibitor is responsible for following all laws, rules, and regulations, and when licenses, tags, etc. are required, to include those and/or the information required with the exhibit. For taxidermy, please refer to Kansas hunting and furbearer laws. <https://ksoutdoors.gov/Hunting/Hunting-Regulations/Furbearers>.

Division A: Wildlife Display & Notebook Classes

- 4500 **Promotional Poster** – must relate to something learned in the Wildlife Project (flat poster board or foam board no larger than 22” x 28”), i.e., types of traps, track identification, habitats of species, types of fishing lures, etc.
- 4501 **Notebook** – contents pertain to some phase, results, story, or information about the wildlife project.
- 4502 **Educational Display** – 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 illustrations, etc.).

Division B: Wildlife Experiential/Other Classes

- 4503 **Fish Harvesting Equipment** – (SF168) – on a board display, equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, and when or where each item is used.
- 4504 **Build a Fishing Rod** – (SF 169) – A fishing rod educational exhibit may not exceed 96 inches in length. The exhibit must be mounted on a board. Include it with the exhibit. Explanation of the cost of materials/components and how many hours are required for construction. Label all parts. Necessary components include a grip, line guides (per the manufacturer's specifications), guide wraps, and a hook keeper. The reel seat needs to be aligned with the guides, and the guides need to be accurately aligned down the rod. Guide wraps of size A to D, nylon or silk thread. The exhibit will be judged on workmanship, labeling of parts, information, and neatness.
- 4505 **Casting Target** – (SF 170) – make a casting target for exhibit and use. Target must be under 48” x 48”. The bullseyes must be 2 feet, the outer band must be 1 foot in diameter, and can have up to 3 rings. The exhibit must be easy to store, durable, and weather-resistant. Include the purpose and rules of using your casting target.
- 4506 **Wildlife Harvesting Equipment** – (SF 171) – on a board display, equipment used in harvesting wildlife. Examples: expended ammunition casing (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used, and personal experiences with the item.
- 4507 **Inventing Wildlife/Fish Harvesting Equipment, Aid, or Accessories** – (SF 168) – Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, an adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype, and any adjustments you made.
- 4508 **Tanned Hides** – (SF 172) – exhibit of a wild animal hide properly processed by the member. If not mounted, it must be in a clear clothing bag with a hanger. Include the animal’s name and the following: information about the exhibitor’s personal field experiences, study, OR observations that relate to the exhibit.
- 4509 **Taxidermy** – (SF 172) – any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting. Include the animal’s name and the following: information about the exhibitor’s personal field experiences, study, OR observations that relate to the exhibit.
- 4510 **Wildlife Tracks** – (SF 158) – a board or diorama-type box exhibit. Make a display of animal tracks using Plaster-of-Paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred.

- Option 1 – Show Plaster-of-Paris tracks of five or more kinds of wildlife, along with a picture or illustration of each kind of animal; OR
- Option 2 – Show two or more Plaster-of-Paris tracks of one specific kind of wildlife, and include a picture or illustration of the animal; OR
- Option 3 – Show two tracks and include the animal’s habitat needs, including preferred food, shelter, water, and space, in addition to the picture or illustration of the animal.

- 4511** **Wildlife Knowledge Check** – (SF 159) – use electrical circuits, pictures, or other methods of teaching wildlife identification, or other wildlife conservation, or shooting sports-related knowledge. Plan size and shape to fit the display area of 24” x 24” (maximum).
- 4512** **Houses** (SF 165) make homes for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole sizes, etc., are appropriate for the intended species’ needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences.
- 4513** **Feeders/Waterers** – (SF 166) – make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder allowed; no insect feeders. Include the following information: 1) the kinds of animal(s) for which the waterer/feeder is intended, 2) where and how the waterer/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences.

DEPARTMENT 46: 4-H WOODWORKING

1. Exhibitors must be enrolled in the Kansas 4-H Wildlife project to exhibit in this division.
2. See General Regulations – 4-H Section.
3. Any number of entries may be made per class.
4. The plan from which the project was constructed **MUST** be included with the article to be judged. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide. (Please Note: A set of step-by-step instructions is **NOT** a plan.)
5. Projects with missing or insufficient plans will be lowered by one ribbon placement.
6. The plans and all other paperwork should be enclosed in a zip-top plastic bag with a hole punched through it and tied or otherwise secured to the project in some manner.
7. The use of materials other than wood, screws, nails, and adhesive should be kept to a minimum.
8. Projects that have unsecured glass (i.e., glass shelves, glass top of a coffee table, etc.) should be brought **NOT** be brought to the Edwards County Fair. Glass that is secured in the project (i.e., the glass front of a gun case or cabinet, etc.) is permissible since it cannot be easily removed.
9. **Extra pieces that go with your woodworking project (i.e., bean bags to go with a cornhole set, building blocks to go with a play table, etc.) SHOULD NOT be submitted with the project.**
10. Exhibitors are encouraged not to enter projects made from pre-cut kits.
11. In judging woodwork articles, consideration will be given to workmanship (accuracy to the plans), design, choice of wood, suitability, quality of finish, and usefulness.
12. Firearms and weapons are NOT to be entered or exhibited at the Edwards County Fair under the guidance of the Kansas 4-H Youth Development Department.
13. Projects with “fractal burning” are NOT ALLOWED in any Edwards County Fair exhibits in the 4-H Youth Development Department. Example – electrical burning to make black linework on artwork. This is in agreement with the American Association of Woodturners (AAW).
14. During the construction of exhibits, PPE (Personal Protective Equipment) is to be worn by those in the workspace.

Division A: Woodworking Classes

4600	Articles for Farm/Shop Use
4601	Furniture for Household or Lawn Use
4602	Article Made with Recycled Wood (No Class at Kansas State Fair)
4603	Refinished Wood Article or Furniture (No Class at Kansas State Fair)
4604	Wood Craft
4605	Other Articles