

Tri-County Fair

July 10th - July 12th | Herington, Kansas



K-STATE
Research and Extension



TRI COUNTY FREE FAIR

2025 Fair Book

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Tri-County Fair: General Rules

Absolutely NO PETS are allowed on the Fairgrounds during the Fair.

RULE 1: INTERPRETATIONS, AMENDMENTS, VIOLATIONS

- Section 1 – The Tri-County Fair Association reserves to the Board the final and absolute right to interpret these rules and regulations and arbitrate, settle, and determine all matters, questions, and differences in regard to or otherwise arising out of, connection with, or incident to the fair.
- Section 2 – In no case shall the Tri-County Fair Association, its manager, or any party connected with this organization be held responsible for any loss, damage, accident, injury, or death from any cause of people, property, animals, or disease while they or their property are on the fairgrounds or any other place at any time. The Fair Association will use all reasonable vigilance in the care and protection of all entries while in charge of the fair. Law enforcement will be on the grounds during the fair.
- Section 3 – The Tri-County Fair Board hereby gives notification that outside alcoholic beverages are strictly prohibited on the fair grounds. Violators will be subject to city and state ordinances concerning alcohol on public property.
- Section 4 – Any person who violates any rules of the fair, or special rules will forfeit all premiums and privileges and be subject to such penalty as the Board may order.
- Section 5 – If it be ascertained that any exhibitor has in an inappropriate manner taken exception to the judge or any officer of the Tri-County Fair Association for premiums or exhibiting on grounds, the person shall be asked to leave the grounds.
- Section 6 – The Tri-County Executive Fair Board will consider all appeals duly filed in writing and verified, if so required. It must be filed with the manager before the close of the show and must be in plain language stating the facts whereon such protest is made. The Executive Board will consider any protests immediately after the show and the manager will announce the decision to both parties in the contest. The premium contested will be forfeited in case the judge's decision is sustained.

RULE 2: SUPERINTENDENTS AND JUDGING

- Section 1 – A Superintendent will be appointed for each project area if possible, whose duty it shall be to receive exhibits, properly classify them, and assist the judges. Assistants will be appointed where needed.
- Section 2 – Entries will be judged as listed on the fair schedule. Each entry will be judged by the standards and independently within its class. Entries will not be judged against one another.
- Section 3 – Exhibitors and observers are not to interrupt the judging in process. Questions may be asked of the superintendent after the class has been judged, and then the judge is to explain the process in question.
- Section 4 – A judge, at his/her discretion, may withhold any or all prize money if an article, or animal, in his/her judgment, is not worthy of award. In classes where there is no competition, the first prize will be awarded, if deemed worthy by the judge.
- Section 5 – Each division of Open Class may award a Grand and Reserve Champion ribbon for the highest quality entries in the division. If no entries are worthy of these awards neither is required to be given. No special prize money will accompany these awards unless specified.

RULE 3: EXHIBITORS DUTIES AND PRIVILEGES

- Section 1 – All entrants must comply with the general and individual division's rules. Entries will be limited to those exhibitors living in Tri-County. No article may be entered after having been previously entered in this fair. Entries will be limited to those exhibitors living in Tri-County.
- Section 2 – Entry time for all project-exhibits are listed in the fair schedule. An attempt to enter any item not listed in the catalog will be made in order to give opportunity for all entries. No article may be entered after having been previously entered in this fair.
- Section 3 – Any case not provided for in the rules shall be referred to each division's superintendent and the manager for a decision.
- Section 4 - All entrants must be properly tagged and labeled before meeting with the judge. If needed, exhibitors may be required to return to the Tagging Station to prevent delays at the judge's table. Every effort will be made to provide a designated space for exhibits awaiting their judge conference."
- Section 5 – All exhibits should remain intact from entry time listed on the fair schedule until pick up time listed on the fair schedule. ANY ENTRIES REMAINING ON THE GROUNDS AFTER THE TIME OF REMOVAL LISTED ON THE FAIR SCHEDULE WILL BE EITHER DISPOSED OF OR DONATED.
- Section 6 – The manager and/or the Fair Board reserves the right to remove any exhibit that may have been falsely entered, or deemed unsuitable or objectionable. Furthermore, the fair board may remove any sign, banner, identification mark or signature or advertising matter of any kind which may be deemed objection- able by them without giving any reason thereof, including concessions.

RULE 4: ANIMAL EXHIBITS

- Section 1 – Special care will be taken that no animal having a communicable disease of any nature shall enter the grounds at any time. If any show symptoms of disease or illness during the fair they will need to be removed from the premises by their owners.

RULE 5: TRI-COUNTY 4-H

- Section 1 – 4-H entries and exhibits to be in compliance with the 4-H regulations.
- Section 2 – General Rule 1, sections 1-6 are applicable to the 4-H entrants.

RULE 6: MISCELLANEOUS

- Section 1 – The Tri-County Fair Association reserves the right to amend and add to these rules, as they, in their judgment, may deem applicable. In the event of conflict of general or special rules, the later will govern.

4-H RULES AND REGULATIONS

NOTE: THIS SCHEDULE AND RULEBOOK IS SUBJECT TO CHANGE WITH ANY UPDATES OR GUIDELINES. ALL EFFORTS WILL BE MADE TO ANNOUNCE SCHEDULE OR RULE CHANGES.

- All exhibits must be the current year's work of the 4-H member including any typing, lettering, etc.
- 4-H club members may exhibit only in the project and phase they are enrolled in via 4-H Online.
- This opportunity to exhibit 4-H projects is provided for bonafide 4-H members of Tri-County. A bonafide member is an individual of 4-H age and not yet 19 years of age as of January 1 of the current year.
- Pre-entries are due by **June 27, 2025 at 11:59 AM** for all exhibits.
- Each exhibitor is limited to 3 exhibits in each phase or class in all divisions unless specified otherwise in division rules.
- All exhibits must be properly tagged and labeled before meeting with the judge. If needed, exhibitors may be required to return to the Tagging Station to prevent delays at the judge's table. Every effort will be made to provide a designated space for exhibits awaiting their judge conference.
- Members will cooperate with superintendents, follow their instructions, and abide by their decisions. In case the exhibitor objects to an interpretation of the rules, objection must be made to the superintendent. If determined to be necessary, the superintendent may refer to the 4-H Council, and/or agents which is the final authority in rules interpretation.
- Exhibits will be placed in purple, blue, red and white categories.
- No exhibits are to be removed before **3:00 PM on Saturday, July 12th**.
- All static (indoor) 4-H exhibits must have attached project label. These will be available at check-in, or prior to the fair at the Extension Office.
- No 4-H member will be allowed to have in possession or consume any alcoholic beverage on the fairgrounds. 4-H members violating this rule will be barred from showing or exhibiting that year and the law enforcement will be notified.
- 4-H exhibitors (individual or group) should avoid using copyrighted materials by originating his/her own work. A 4-H member or group should use with caution, a copyrighted and/or trademark product or service (a brand name, label or product).
- All 4-H premium money will be sent to club leaders in the form of a check for dispersal after the fair.

4-H LIVESTOCK RULES AND REGULATIONS

- Livestock exhibitors will follow specie dress code requirements. If none, they are to wear nice jeans, a collared shirt with sleeves and close toed shoes.
- Club members must be enrolled in the project and animals must be weighed and identified according to county dates.
 - Animals shown in the market classes are not eligible to show in breeding classes and vice versa.
 - Club members must be present to weigh animals. Committee will not be responsible for animals whose owners are not present.
 - Each exhibitor is limited to 2 exhibits in each class unless otherwise specified in division rules. Any additional animals will be sent home. Dairy may not exhibit more than 2 animals per class.
 - 4-H members must exhibit their own animals with these 2 exceptions:
 - 4-H member has 2 animals in same class; (2) 4-H member is ill or injured. Another 4-H member may then exhibit the animal.

- No livestock projects are automatically entered in the State Fair. Those wishing to show there are responsible for making entries at the Tri-County 4-H Fair Office during the fair. Entries for the State Fair in the beef, sheep, meat goats and swine projects are due July 15th in the State Fair.
- Club members entering showmanship MUST own and fit the animals entered in the event.
- Each exhibitor MUST groom their own animal and may use the assistance of an immediate family member (mother, father, legal guardian, brother or sister) or of another 4-H member who is an exhibitor at the show.
- 4-H Project Auction: 4-H members enrolled in a market animal class may sell one of the following market species: beef, sheep, swine, rabbit meat pen, market goat dairy wether through the premium auction. Others may be sold at floor price, if 4-H Office is notified.
- INTENT TO SELL MARKET ANIMALS MUST BE MADE immediately following Beef Show – It is preferred that notification be given following each species show. Any animals not reported will not be allowed to sell through the auction.
- The Extension staff reserves the right to select any livestock exhibited by 4-H members for the judging contest.
- Superintendent is authorized to refuse animals showing signs of disease or which are otherwise dangerous to other animals being shown.
- WITHDRAWAL TIMES FOR DRUGS, GROWTH PROMOTANTS AND OTHER APPROVED
 - MATERIALS: Exhibitors, their parents, leaders and instructors have a serious responsibility to use animal health aids (drugs), growth promotants and any other approved materials with great care, and only when needed and in correct amounts. Approved withdrawal times are set
 - and must be followed to assure that meat consumers receive wholesome food. Market livestock will not be allowed to show without a completed certificate signed by an exhibitor and parent or guardian.
- The giving of an oral or injected diuretic, growth promotant or other medication not approved for any domestic animal constitutes an unethical practice.
- The use of tranquilizers in show animals falls under the category of extra label use and requires a veterinary-client relationship. Any extra label drug use by lay people without a veterinary-client relationship is illegal. The use of tranquilizers simply to calm excitable food producing show animals is unethical.
- Exhibitors who abuse an animal may be barred from showing and will forfeit any premium, ribbon or prize won. The word abuse includes: beating, slapping, using an electric prod, forcing a lamb into a solid object in an attempt to make the animal brace more firmly. Bracing a lamb by holding the front feet off the ground also constitutes abuse.
- Superintendents and fair officials may determine that any exhibitor who has tampered with or who inhumanely abuses an animal may be barred from showing and will forfeit any premium, ribbon or prizes won.
- All Livestock exhibits will be released on Friday at 9PM.

LIVESTOCK HEALTH REQUIREMENT

All animals shall be free of clinical signs of infectious or contagious disease. Cattle and goats determined by superintendents to have lesions of ringworm, warts or infested with mange will not be permitted to show. A negative pseudorabies and brucellosis test are not required for Kansas origin swine. Sheep shall be free of any

signs of “sore mouth” and free of signs of active fungal (ringworm) infection, including club lamb fungus. Poultry must have a negative test for pullorum typhoid to be eligible for exhibit. All Horses to be exhibited must have a Veterinarian’s Health Certificate verifying that the horse has tested Negative for Equine Infectious Anemia (Coggins) within the previous 12 months. Any horse that doesn’t have a Health Certificate verifying a Negative Coggins test will not be allowed on the premises.

HERDSMANSHIP

Livestock will be penned/stalled together by club. Club decorations are encouraged! The public will be viewing the livestock barns and we hope to showcase excellent animal husbandry and pride.

4-H LIVESTOCK PROJECTS

*K-State Research and Extension is committed to providing equal opportunity for participation in all programs, services and activities. Program information may be available in languages other than English. Reasonable accommodations for persons with disabilities, including alternative means for communication (e.g., Braille, large print, audio tape, and American Sign Language) may be requested by contacting the event contact, **Rickey Roberts**, two weeks prior to the start of the event at **620-382-2325 and rroberts@ksu.edu**.*

Requests received after this date will be honored when it is feasible to do so. Language access services, such as interpretation or translation of vital information will be provided free of charge to limited English proficient individuals upon request.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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

4-H BEEF RULES

- Read general fair and 4-H regulations.
- No animals under 1050 pounds can be sold in the 4-H livestock auction.
- Market steers must be born after January 1 of the previous year.
- A 4-H member may show no more than three (3) market steers.
- Artificial coloring of hair, from the flank up, will NOT be allowed. No false hair, twine or foreign materials may be used.

BREEDING BEEF CLASSES

Class 1 – Junior heifer calves, calved after January 1 of current year.

Class 2 – Senior heifer calves, calved between September 1 and December 31 of previous year.

Class 3 – Summer yearling heifers, calved between May 1 and August 31 of previous year.

Class 4 – Spring yearling heifers, calved between January 1 and April 30 of previous year.

Class 5 – Senior yearling heifers, calved between September 1 and December 31 of previous 2 years.

Champion Female – Open to first and second place animal in each breed (Must receive blue ribbon to be eligible)

Supreme Champion Female- Selected from breed champions.

Class 6 – Cow-calf pair (Both cow and calf will be shown.)

MARKET BEEF CLASSES

Classification for judging will be made by beef committee at weigh in. Steers will be divided by weight within

breeds to accommodate the show ring. Show order will be posted.

Class 7 – Market Heifer

Class 8 – Market Steer

Class 9 – Bucket Calf Raised Steer

Class 10 – Dairy Beef

Grand Champion Steer – Open to champion and reserve champion in each breed.

Class 11 – Club group of 3 steers. Breeds may be mixed in groups. Club may enter as many groups as they have cattle. Ribbons will be given in groups. Premiums will be paid to clubs.

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 17A – Sr. Beef Showmanship 14 and older

Class 17B – Int. Beef Showmanship 11 to 13 years old

Class 17C – Jr. Beef Showmanship 7 to 10 years old

Grand Champion Showman will be selected from first and second place winners in each age group.

Grand Champion and Reserve Grand Champion will qualify for Round Robin Contest.

SCORE CARD

Grooming of Animal	50%
Showmanship of Animal	50%
Total points possible	100%

4-H BUCKET CALF RULES

- All calves must be in place and checked in Wednesday morning.
- Classes will be divided according to age of exhibitor.
- Bucket calves will not be allowed to sell in the 4-H livestock auction.
- A 4-H member may show only one bucket calf.
- Calves must be born between January 1 and May 1 of the current fair year. Exception: 2nd year Bucket Calves
- 4-H Members must own their calf by May 1 and tagged with an Official Tri-County Bucket Calf Tag
- Calves are to be raised, fed and cared for solely by the 4-H Member and his/her family. The calf must be “orphaned” and not be on a cow.
- Calves should be halter trained and able to lead at the Fair.
- Conference Judging will take place on Thursday afternoon with Showmanship judging on Thursday evening
- Judging will be based on: 50% Conference judging; 50% cleanliness and showmanship. No fitting, clipping or use of show sticks is allowed.
- Judges may select a champion and reserve champion if they see CLASSES

BUCKET CALF CLASSES

Class 18A – 4-H Members (ages 10-12 years old)

Class 18B – 4-H Members (ages 7-9 years old)

Class 21 – 2nd Year Bucket Calf. 2nd year bucket calf must have been shown as a bucket calf at the previous fair. These cattle are not eligible for the sale.

BUCKET CALF POSTER

- Each Bucket Calf exhibitor is encouraged to make a poster to hang directly above your calf at the fair.
- The poster should include the following information: Your Name, Calf's Name, Calf Breed and any other information -pictures, drawings, what you feed your calf, how to care for your calf, etc.
- Poster should be 28" x 22" (full size) with two different age divisions.
- Posters will be evaluated in the stalls during conference judging starting at 4 PM on Thursday afternoon.

Class 19 A – Bucket Calf Poster 10-12 years old

Class 19 B – Bucket Calf Poster 7-9 years old

BUCKET CALF COSTUME CONTEST

- The 4-H Member and the calf must be dressed up in a costume – superintendent reserves the right to dismiss an entry if found distasteful.
- An informational script must be prepared and turned in to superintendent prior to the contest. The script will be read during the contest while the 4-H Member and calf are in the arena.
- The Costume Contest will take place Wednesday evening in the livestock arena.

Class 20A – Bucket Calf Decorated Class (ages 10-12 years old)

Class 20B – Bucket Calf Decorated Class (ages 7-9 years old)

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

4-H SHEEP RULES

- Read general fair and 4-H regulations.
- All lambs must be identified with an official USDA premise ID tag.
- All market animals must weigh more than 100 pounds to sell through the 4-H Project Auction.
- Ewe lambs can be shown as a market lamb or a breeding ewe.
- Maximum of 3 market lambs per exhibitor may be shown.
- Market lambs must be shown slick shorn.
- Only wethers or ewe lambs may be shown. No ram lambs or cryptorchids.
- Exhibitors who abuse an animal will be barred from showing and will forfeit any premium, ribbon, or prize won. The word abuse includes: beating, slapping, using an electric prod, forcing a lamb into a solid object in an attempt to make the animal brace more firmly, bracing a lamb by holding its front feet off the ground.
- During the judge's inspection or handling, all four feet of the animal are to be in contact with the ground.
- No artificial coloring is allowed on market lambs.

MARKET LAMB CLASSES

Lamb classes will be divided according to breed and weight.

WFX – White Face Cross

BFX – Black Face Cross

Class 23 – Market lambs (Lambs will be divided by weight to accommodate show ring.)

Grand Champion Lamb – Open to first and second place winners in each class (Must receive blue ribbon to be eligible)

BREEDING SHEEP CLASSES

An exhibitor may show no more than 3 animals per class.

Class 24 – Ewe Lambs

Class 25 – Yearling ewes

Champion Female – Open to first and second place animals in each breed (Must receive blue ribbon to be eligible)

Supreme Champion Female – Selected from Breed Champions

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 22A – Sr. Sheep Showmanship 14 and older

Class 22B – Int. Sheep Showmanship 11 to 13 years old

Class 22C – Jr. Sheep Showmanship 7 to 10 years old

Grand Champion Showman will be selected from first and second place winners in each age group.

Grand Champion and Reserve Grand Champion will qualify for Round Robin Contest.

SCORE CARD

Grooming of Animal	50%
Showmanship of Animal	50%
Total points possible	100%

- Read general fair and 4-H regulations.
- Market does/wethers must have an official ear tag, must be castrated, dehorned/tipped and less than 1 year old. All goats must be identified with an official USDA premise ID tag.
- Does will be allowed to show with the wethers in the Market Goat Show.
- All meat type goats must weigh more than 50 pounds to sell in the 4-H Project Auction.
- Exhibitors who abuse an animal will be barred from showing and will forfeit any premium, ribbon, or prize won. The word abuse includes: beating, slapping, using an electric prod, forcing a goat into a solid object in an attempt to make the animal brace more firmly, bracing a goat by holding its front feet off the ground.
- Exhibitors may use a collar with a short lead or a halter when showing.

MARKET GOAT CLASSES

Class 27 – Meat-Type Wether/Doe less than one year old (goats will be divided by weights)

Grand Champion Market Goat – Open to 1st and 2nd place winner in each class. (Must receive blue ribbon to be eligible.)

BREEDING GOAT CLASSES

Class 28 – Commercial Doe Kid (will be divided by weight) Must be less than 1 year old. Baby teeth must be present and no evidence of permanent teeth.

Class 29 – Yearling Commercial Doe - no more than 4 permanent teeth present. Breeding goats are not eligible to be sold.

Class 30 – Aged Does

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 26A – Sr. Goat Showmanship 14 and older

Class 26B – Int. Goat Showmanship 11 to 13 years old

Class 26C – Jr. Goat Showmanship 7 to 10 years old

Grand Champion Showman will be selected from first and second place winners in each age group.
Grand Champion and Reserve Grand Champion will qualify for Round Robin Contest.

4-H SWINE RULES

- Read general fair and 4-H regulations.
- No animals weighing less than 225 pounds will be eligible to sell in the Project Auction or be eligible for champion.
- 4-H members are limited to 3 market hogs.

MARKET HOG CLASSES

Market hogs will be shown by weight regardless of sex.

Class 31 – Market Hogs

Class 32 – Prospect Market Hogs - hogs must weigh less than 225 lbs. (For this class only later tagged swine can be exhibited. Will not be eligible for champion.)

Grand Champion Market Hog - Selected from class champions.

Only gilts may show. 4-H members are totally responsible if they return animals from the fair, whereas the Fair Association is not liable for any health problems. Breeding gilts may be sold at floor price.

Class 33 – Breeding Gilts

Champion Gilt – Open to first and second place animals in each breed. (Must receive blue ribbon to be eligible).

Supreme Champion Gilt – Selected from breed champions.

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 34A – Sr. Swine Showmanship 14 and older

Class 34B – Int. Swine Showmanship 11 to 13 years old

Class 34C – Jr. Swine Showmanship 7 to 10 years old

Grand Champion Showman will be selected from first and second place winners in each age group.

Grand Champion and Reserve Grand Champion will qualify for Round Robin Contest.

SCORE CARD

Grooming of Animal	50%
Showmanship of Animal	50%
Total points possible	100%

4-H DAIRY CATTLE RULES

Read general fair and 4-H regulations.

1. Club members must be enrolled in dairy at least 100 days prior to the show and be able to prove ownership by July 1.
2. Age, not maturity, will determine classification.
3. Purebred registered dairy animals, registered in the 4-H members name by July 1, identified grade Holsteins and DHIA-VIP animals are eligible to be shown. Other grade animals must have ownership verified by county extension agent.
4. Entries may be purebred or high grade. Mixed breeds are not eligible to receive premium money or ribbons.
5. The yearling heifer class may be divided into junior and senior heifer, and the cow class into two-year-olds and three-year-olds, or over three if the number of entries is large enough.

6. Non-lactating dairy animals must be in place on Wednesday. Lactating cows may be brought to the fair the morning of the show. Lactating animals may leave following the show.
7. No limit on total entries. 4-H member may enter only 2 animals per class.

DAIRY CATTLE CLASSES

Class 41 – Heifer Calves

Class 42 – Yearling Heifers

Class 43 – Heifers or Cows

Champions – Open to first and second place animals in each breed. (Must receive blue ribbon to be eligible.)

Supreme Champion – Selected from breed champions.

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 40A – 14 and over as of January 1

Class 40B – 11-13 as of January 1

Class 40C – 10 and under as of January 1

Grand Champion Showman selected from first and second place winners in each division. Grand and Reserve **Grand Champion Showmen** will qualify for Round Robin Contest.

SCORE CARD

Grooming of Animal	40%
Appearance and Merit of Exhibitor	10%
Showmanship of Animal	50%
Total points possible	100%

4-H DAIRY GOAT RULES.

- Read general fair and 4-H regulations.
- Entries will be placed in classes by age with the day of judging being the base date.
- Each exhibitor is limited to a maximum of 2 goats per class.
- All dairy goats, with the exception of lactating animals must be in place on Tuesday. Lactating animals may be brought to the fair the morning of the show. Lactating animals may leave following the show.

DAIRY GOAT CLASSES

Class 2210 – Alpine junior doe, birthdate April 1 to show date of current year

Class 2211 – Alpine junior doe, birthdate March 1 to March 31 of current year

Class 2212 – Alpine junior doe, birthdate Sept. 16 of two years prior to the last day of Feb. of current year

Class 2213 – Alpine junior doe, birthdate Sept. 16 of three years prior to Sept. 15 of two years prior

Class 2214 – Alpine senior doe, 2 years and under in milk or previously freshened

Class 2215 – Alpine Senior doe, 3 years and older in milk or previously freshened

Class 2216 – Alpine senior doe, 4 years in age in milk or previously freshened

Class 2217 – Alpine senior doe, 5 years and older in milk or previously freshened

Class 2220 – LaMancha junior doe, birthdate April 1 to show date of current year

Class 2221 – LaMancha junior doe, birthdate from March 1 to March 31 of current year

Class 2222 – LaMancha junior doe, birthdate from Sept. 16 of two years prior to the last day of Feb. of current year

Class 2223 – LaMancha junior doe, birthdate from Sept. 16 of three years prior to Sept. 15 of two years prior

Class 2224 – LaMancha senior doe, 2 years and under in milk or previously freshened
Class 2225 – LaMancha senior doe, 3 years and older in milk or previously freshened
Class 2226 – LaMancha senior doe, 4 years of age in milk or previously freshened
Class 2227 – LaMancha senior doe, 4 years and older in milk or previously freshened
Class 2230 – Nubian junior doe, birthdate April 1, 2024 to show date of current year
Class 2231 – Nubian junior doe, birthdate from March 1 to March 31 of current year
Class 2232 – Nubian junior doe, birthdate from Sept. 16 of two years prior to the last day of Feb. of current year
Class 2233 – Nubian junior doe, birthdate from Sept. 16 of three years prior to Sept. 15 of two years prior
Class 2234 – Nubian senior doe, 2 years and under in milk or previously freshened
Class 2235 – Nubian senior doe, 3 years and older in milk or previously freshened
Class 2236 – Nubian senior doe, 4 years of age in milk or previously freshened
Class 2237 – Nubian senior doe, 5 years and older in milk or previously freshened
Class 2260 – Oberhasli junior doe, birthdate from April 1 to show date of current year
Class 2261 – Oberhasli junior doe, birthdate from March 1 to March 31 of current year
Class 2262 – Oberhasli junior doe, birthdate from Sept. 16 of two years prior to the last day of Feb. of current year
Class 2263 – Oberhasli junior doe, birthdate from Sept. 16 of three years prior to Sept. 15 of two years prior
Class 2264 – Oberhasli senior doe, 2 years and under in milk or previously freshened
Class 2265 – Oberhasli senior doe, 3 years and older in milk or previously freshened.
Class 2266 – Oberhasli senior doe, 4 years of age in milk or previously freshened
Class 2267 – Oberhasli senior doe, 5 years and older in milk or previously freshened
 All Other Purebreeds: (Nigerian Dwarf, Saanen, Sable, and Toggenburg)
Class 2240 – AOP junior doe, birthdate from April 1 to show date of current year
Class 2241 – AOP junior doe, birthdate from March 1 to March 31 of current year
Class 2242 – AOP junior doe, birthdate from Sept. 16 of two years prior to the last day of Feb. of current year
Class 2243 – AOP junior doe, birthdate from Sept. 16 of three years prior to Sept. 15 of two years prior
Class 2244 – AOP junior doe, 2 years and under in milk or previously freshened
Class 2245 – AOP senior doe, 3 years and older in milk or previously freshened
Class 2246 – AOP senior doe, 4 years of age in milk or previously freshened
Class 2247 – AOP senior doe, 5 years and older in milk or previously freshened
Class 2250 – Recorded Grades junior doe, birthdate from April 1 to show date of current year
Class 2251 – Recorded Grades junior doe, birthdate from March 1 to March 31 of current year
Class 2252 – Recorded Grades junior doe, birthdate from Sept. 16 of two years prior to the last day of Feb. of current year
Class 2253 – Recorded Grades junior doe, birthdate from Sept. 16 of three years prior to Sept. 15 of two years prior
Class 2254 – Recorded Grades senior doe, 2 years and under in milk or previously freshened
Class 2255 – Recorded Grades senior doe, 3 years and older in milk or previously freshened Supreme Champion – Selected from breed champions
Class 57 – Market Dairy Wether less than one year old (goats will be divided by weight).
Champion Dairy Wether – Open to first and second place dairy wethers

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

SHOWMANSHIP

Class 2200 – 14 and over as of January 1

Class 2201 – 11-13 as of January 1

Class 50 – 10 and under as of January 1

Grand Champion Showman selected from first and second place winners in each division.

Grand and Reserve Grand Champion Showmen will qualify for Round Robin Contest.

SCORE CARD

Grooming of Animal	40%
Appearance and Merit of Exhibitor	10%
Showmanship of Animal	50%
Total points possible	100%

4-H HORSE RULES

- Read general fair and 4-H rules.
- Horse must be owned by 4-H member or 4-H member's immediate family and ID certificate completed and filed at the Extension Office by June 1 of current year.
- Horse may be leased provided youth manages the horse at least 75% of time from June 1 to Oct. 1. A leased horse must have an ID certificate completed and filed at the Extension Office by June 1 of each year. A 4-H member may only identify one leased horse per year and may not ID any family-owned horse. If the leased horse is a snaffle bit horse, the 4-H member may also identify a family owned horse to serve as an "open" project horse, but may not identify a family-owned horse for the 2 year old snaffle bit project.
- Each horse must be accompanied with a Veterinarian's Health Certificate verifying that the horse has tested Negative for Equine Infectious Anemia (Coggins) within the previous 12 months. Any horse that does not have a Health Certificate verifying a Negative Coggins test will not be allowed on the premises.
- Members may exhibit up to 3 head in halter classes.
- Each animal must be exhibited or ridden by the 4-H owner. In halter classes, one attendant of 4-H age may help. Adults are not to be in the show ring while animals are being judged.
- The age of a colt is determined as of January 1 of the year of birth.
- Breed Champions will be named only if competition merits naming one, at the discretion of the judge.
- 4-H dress code will be enforced. The purpose of the dress code is to provide a simple and affordable means whereby all exhibitors can dress themselves neatly in good, working attire representative of that worn by horsemen and horsewomen in western classes. Long pants and a long-sleeved shirt or blouse must be worn. Pants, shirts, and blouses may vary in color. Western hat is required in all but the timed events and it should stay on during the class. Caps are not permitted. Western boots are required in all events. The use of gloves, ties, spurs and chaps shall be optional. English spurs are not permitted in western classes. No vests, sweaters, coats or jackets permitted except during inclement weather when approved by show management and the judge. Members will not be permitted to enter the ring unless properly attired.
- Current 4-H horse ID papers must be presented for each horse upon arrival at show site. Horses without proper ID papers may not be shown. Entry check-in is from 5-6 pm on Sunday.
- Show will follow the rules and guidelines and be conducted as outlined in "Kansas 4-H Horse

Show Rule Book.”

HALTER CLASSES

Halter Classes will be held according to the following breed, age, and sex if competition merits.

- Stock Type – Quarter Horse, Appaloosa, Paint, Palomino, Buckskin
- English Breeds – Arabian, Saddlebred, Morgan, Tennessee Walker
- Pony 14 Hands & Under
- Miniature Horse
- Show Order: 1) Stock type, 2) English Breeds, 3) Pony under 14 hands, 4) Miniature Horse. The letters in the following classes correspond to the foal dates:

Class 61A – Filly or Mare 4 years or younger

Class 61B – Filly or Mare 5 years or older

Class 62A – Gelding 4 years or younger

Class 62B – Gelding 5 years or older

Class 63 – Stallion, any age

Breed Champion – Open to first and second place in above classes.

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

HORSEMANSHIP CLASSES

4-H members may enter walk-trot horsemanship or horsemanship/pleasure but not both.

Class 64 – Walk-Trot Horsemanship

Class 65 – 4-H Western Horsemanship, 14 and older

Class 66 – 4-H Western Horsemanship, 11-13 years old

Class 67 – 4-H Western Horsemanship, 7-10 years old

Class 68 – 4-H Western Pleasure, 14 and older

Class 69 – 4-H Western Pleasure, 11-13 years old

Class 70 – 4-H Western Pleasure, 7-10 years old

Class 71 – Trail, 14 and older

Class 72 – Trail, 11-13 years old

Class 73 – Trail, 7-10 years old

Class 73A – Trail, Miniature Horse

Class 74 – Barrel Racing, 14 and older

Class 75 – Barrel Racing, 11-13 years old

Class 76 – Barrel Racing, 7-10 years old

Class 77 – Pole Bending, 14 and older

Class 78 – Pole Bending, 11-13 years old

Class 79 – Pole Bending, 7-10 years old

Class 79A – Costume Class - Horse & rider/leader dress in costume. Will be judged on creativity, completeness, and functionality.

SHOWMANSHIP

Class 60A – Senior Horse Showmanship (14-18 years of age)

Class 60B – Intermediate Horse Showmanship (10-13 years of age)

Class 60C – Junior Horse Showmanship (7-9 years of age)

Class 60D – Horseless Horse Showmanship (not eligible for Grand or Reserve Grand Champion Showman)

Grand Champion Showman selected from first and second place winners in each division.

Grand and Reserve Grand Champion Showmen will qualify for Round Robin Contest.

SCORE CARD

Appearance of Horse	30%
Maneuvering of Horse	40%
Presentation of Horse	30%
Total points possible	100%

- Pony 14 Hands & Under
- Miniature Horse
- Show Order: 1) Stock type, 2) English Breeds, 3) Pony under 14 hands, 4) Miniature Horse. The letters in the following classes correspond to the foal dates:

Class 61A – Filly or Mare 4 years or younger

Class 61B – Filly or Mare 5 years or older

Class 62A – Gelding 4 years or younger

Class 62B – Gelding 5 years or older

Class 63 – Stallion, any age

Breed Champion – Open to first and second place in above classes.

PREMIUMS: BLUE \$4.50 / RED \$3.75 / WHITE \$3.00

4-H ROUND ROBIN SHOWMANSHIP CONTEST and RULES.

- The top 2 ranked showmen in the sheep, beef, swine, horse, dairy, dairy goat, meat type goat divisions are eligible to compete.
- 2 Contestants will show each of the six species to determine the Overall Grand and Reserve Grand Champion Showmen.
- Contestants will show the species from which they qualified for the Round Robin Contest to break tied scores.
- A person may win the Overall Round Robin Showmanship Contest only once. After winning the contest they are ineligible to compete in the contest again.
- 4-H members will qualify for the Round Robin contest on the first species that they are chosen in. Subsequent selection in other species will not be counted.
- Grand Champion and Reserve Grand Champion Showman will be based on their ability to show all species.
- Animals must be clean to show but should not be fitted.
- Any substitution of animals for the contest due to injury, sickness or unruly disposition must be made with approval of specie superintendent or Round Robin superintendent.

CHAMPION AWARD SPONSORED BY BRAD AND BECKY VANNOCKER

RESERVE CHAMPION AWARD SPONSORED BY RICKEY AND SONYA ROBERTS

4-H SMALL ANIMAL PROJECTS

4-H POULTRY, PIGEONS, and RABBIT RULES

POULTRY

- Read general fair and 4-H regulations.
- All exhibits are to be checked in Tuesday evening. Poultry exhibits can be released Friday at 9:00 pm, or earlier depending on the heat.

- Judging of classes 3201, 3202, 3203, 3204, 3209, 3210, 3211, 3212 will be done primarily on the basis of exhibition qualities as described in “The American Standard of Perfection”.
- Judging of classes 3205, 3206, 88 will be done on the basis of production qualities only.
- Disqualification will bar competition. Each member may enter one entry per class, per variety, per breed.
- Each member may only entry one entry per class, per variety, per breed.

POULTRY CLASSES

Class 3201 – Standard Breeds– Large Fowl – One young bird of either sex

Class 3202 – Standard Breeds– Large Fowl– One old bird of either sex

Class 3203 – Standard Breeds– Bantams– One young bird of either sex

Class 3204 – Standard Breeds– Bantams– One old bird of either sex

Class 3205 – Production Pullets– Pen, 3 standard bred, crossbred or strain cross pullets to be judged on egg production qualities only.

Class 3206 – Production Hens– Pen, 3 standard bred, crossbred or strain cross hens to be judged on egg production qualities only.

Class 100 – Ages 7-8 years old

Grand Champion Showman – will be selected from first and second place winners in each age division.

Class 3401 – Senior doe (8 months and older in breeds having an intermediate class, 6 months old in all other breeds).

Class 3402 – Intermediate buck, 6 to 8 months

Class 3403 – Intermediate doe, 6 to 8 months

Class 3404 – Junior buck, under 6 months

Class 3405 – Junior doe, under 6 months

Class 3406 – Pre-junior buck, under 3 months old (Note eligible for premiums)

Class 3407 – Pre-junior doe, under 3 months old (Note eligible for premiums).

Class 3420 – Meat pen, three (3) rabbits, all one recognized breed and variety, minimum weight 3 pounds each, maximum weight of 5 pound each (rabbits in meat pen are ineligible for other classes.) Cannot be over 70 days of age. Judged on meat quantities, condition and uniformity.

Class 110 – Mix Breed - For first year members. Judging on care and condition of rabbit. Can enter a fur class. Not eligible for grand champion; not eligible for State Fair. Can enter a showmanship class.

Class 3450 – Normal White Fur

Class 3451 – White Satin Fur

Class 3452 – White Rex Fur

Class 3453 – White Wool

Class 3454 – Normal Colored Fur

Class 3455 – Colored Satin Fur

Class 3456 – Colored Rex Fur

Class 3457 – Colored Wool

Colored and White Fur entries must be made from rabbits that are entered in the regular breed class 3400-3407.

NOTE: Classes of pre-junior apply only to the following breeds: Beveren, Californian, Champagne, D’Argent, American Checkered Giant, American Chinchilla, Cinnamon, Creme D’Argent, Flemish Giant, New Zealand, Palomino, Satins and Silver Fox. Classes of intermediate apply only to the following breeds: Ameri can, Beveren, Californian, Champagne D’Argent, American Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Creme D’Argent, Flemish Giant, English Lop, French Lop, New Zealand, Palomino, Satin and Silver Fox.

SHOWMANSHIP

Class 3460– Senior Horse Showmanship (14-18 years of age)

Class 3461– Intermediate Horse Showmanship (10-13 years of age)

Class 3462 – Junior Horse Showmanship (7-9 years of age)

Class 3462 – Junior Horse Showmanship (7-9 years of age)

PREMIUMS: BLUE \$1.75 / RED \$1.50 / WHITE \$0.75

4-H DOG RULES.

The purpose of the Dog project is to provide an opportunity for Kansas 4-H members to demonstrate the proficiency of the dogs they have personally trained and groomed in their 4-H project. The different classes being judged are showmanship, obedience, agility, and rally obedience.

- Members are required to own, care for, and train their dogs but they may be assisted by 4-H leaders or family members.
- Dogs in season will not be allowed to show.
- The “Guidelines for Kansas 4-H Dog Shows” and “Kansas 4-H Agility Dog Show” handbooks will be used as a source of show requirements.
- 4-H Dog Show Immunization Record must have been completed in the spring for each dog to be used in the dog show; and presented at the dog show. Required vaccinations (Distemper, Hepatitis, Parvovirus, Parainfluenza, Rabies and Bordetella) must be current.
- Abuse of dogs will not be tolerated at any time. Dogs must not be left unattended at any time.
- Disqualification with NO RIBBON given under these circumstances:
 - a) Dogs/Handlers dismissed from the ring BY JUDGE due to dog leaving ring or out of control, dog being overly aggressive, or handler using abusive language or unsportsmanlike conduct.
 - b) Baiting dogs is not allowed in the ring.
- In addition to entry, a dog show information form must be completed by each 4-H member and turned into the project leader or extension office by deadline. This form can be found on our website at Kansas 4-H Dog Show Rule Book 4H1120
- No mobile phones and/or other electronic devices are allowed in the ring.

SHOWMANSHIP

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

SHOWMANSHIP CLASSES

Class 440D - Novice – Exhibitors 7-8 years old as of Jan. 1 of the current year. Experienced dog and first-year handler (All exercises same as above)

Class 440C Junior Exhibitors 9-11 years old as of Jan. 1 of the current year

Class 400B - Intermediate Exhibitors 12-14 years old as of Jan. 1 of the current year

Class 440A - Senior – Exhibitors 15 years and older as of Jan. 1 of the current year

OBEDIENCE

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

OBEDIENCE CLASSES

Class 441 – Pre-Novice A: First-year handler and first-year dog (Heel and Figure 8, Stand for Examination, Recall, 1 minute Sit Stay, 3 Minute Down Stay, (ALL ON LEASH)

Class 442 – Pre-Novice B: For handler that did not qualify in Sub- Novice A in previous year; experienced handler and first-year dog; or experienced dog and first- year handler (All exercises same as above)

***Class 443** – Pre-Novice Under 9: For youth too young for State Fair competition. Exercises the same as for Novice A and B

Class 444 – Novice A: First-year off-leash for handler and first year off-leash for dog. (Heel and Figure 8 on leash. Stand for examination off leash, heel free, recall off leash, one minute sit stay off leash, three minute down stay off leash)

Class 445 – Novice B: Experienced handler with first or second- year dog, or those not qualifying in Novice A in previous year. (All exercises same as Novice A.)

Class 446 – Graduate Novice. For those receiving a qualifying score in Novice A or B in previous year. (Heel on leash, heel free and figure 8 off leash, stand for examination off leash, drop on recall, three minutes sit stay out of sight, five minute down stay out of sight).

Class 447 – Open A: For those who have qualified in Graduate Novice in prior year.

Class 448 – Open B: For those who have qualified in Open A in prior year.

AGILITY

The purpose of Kansas 4-H Dog Agility is to provide 4-H members the opportunity to demonstrate the teamwork necessary to work under a variety of conditions that challenge both the handler and dog. By teaching a series of obstacles, the 4-H'er provides the basic training and exercise that leads to a more versatile, well-conditioned dog. Different obstacles and courses present unique tests of speed, confidence, technical skills, athleticism, balance, communication, attentiveness, distance, and directional control. The task of leaders, judges, trainers, and handlers is to incorporate all these elements while maintaining a fun, safe environment for the dogs and 4-H'ers. The sport of agility provides a basis for other activities such as search and rescue. Agility is exciting for both exhibitors and spectators, as well as motivating for the dogs.

AGILITY CLASSES

AGILITY Divisions for all Agility classes are:

***Class 431** – Pre-Agility: For beginning agility dog/member teams. Same course as Agility I, but done ON LEAD.

Class 432 – Agility I

Class 433 – Agility II: For those dog/member teams who have received two qualifying scores of 190 points in Agility I at local, multi-county, or state competitions. It is suggested that this move occur after state fair and the beginning of a new 4-H year.

Class 434 – Agility III: For those dog/member teams who have received two qualifying scores of 190 points in Agility II at local, multi-county, or state competitions. It is suggested that this move occur after state fair and the beginning of a new 4-H year.

Class 435 – Agility IV: For those dog/member teams who have received two qualifying scores of 190 points in Agility III at local, multi-county, or state competitions. It is suggested that this move occur after state fair and the beginning of a new 4-H year.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

RALLY O

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

Eligibility: all teams, comprising of 4-H members who are 9-18 years of age and their dog who have met county or district annual qualifications receiving a qualifying blue or purple in showmanship, obedience, agility or rally obedience can compete in the State 4-H Dog Show.

SHOWMANSHIP; JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE FOR EACH AGE GROUP OBEDIENCE AND

AGILITY: JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE FOR EACH CLASS

PREMIUMS: PURPLE \$2.24 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

4-H STATIC PROJECTS

EXPLORING 4-H AND CLOVERBUDS RULES

EXPLORING 4-H

- 4-H members may enter up to 4 exhibits. No animals may be brought to the fair.
- Attach completed 4-H label to entry.

EXPLORING 4-H CLASSES

***Class 451** – Exploring 4-H exhibit.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EXPLORING 4-H

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

4-H CLOVERBUDS

- Open to 4-H Cloverbud members. Only 1 exhibit allowed.

Member will cut out a 4-H clover from poster board (pattern available from the Cloverbud leader or from the extension office). The clover can be decorated however the member wishes, but must include their name somewhere on the clover and their photo in the center.

- Their display area can be used to show any item made during Cloverbud meetings. Examples include scrapbooks, posters, photos, craft type items. Table can be decorated.
- 4-H member will visit with the Exploring 4-H judge about their exhibit and will receive a participation ribbon

CLOVERBUDS CLASSES

***Class 450** – Cloverbud Project Exhibit

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE WILL PROVIDE PARTICIPATION RIBBONS

4-H AEROSPACE/ROCKETRY RULES

- 4-H members must be currently enrolled in the Kansas 4-H Aerospace/Rocketry project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a “model rocket kit”, the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the

same class.

- 4-H members are to complete and sign the rocketry information form, available from <http://rocketry.engtech4ks.com/> or your local extension office and attach it to a 10" x 13" "manila" envelope. The envelope should contain:
 - a) Instructions on how to construct the rocket
 - b) Up to 5 pages of pictures, pictures are to be attached to sheets of paper, from both construction and launch
 - c) Documentation of any flight damage that occurred
 - d) Any modifications made to the rocket except for paint scheme and decals.
 - e) An additional page for altitude calculations if the space on the form is not enough.
 - f) Additionally, for original design rockets, also known as "scratch built" rockets:
 - Additional pages of photos are allowed
 - Documentation of how the rocket was tested for stability
- If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon.
- Rockets are to be displayed upright on a display stand with a sturdy rod that does not extend past the top of the rocket, or stand unassisted, unless the rocket is taller than 4 feet in which case no display stand is required and the rocket may be displayed on its side, rockets are not to be displayed on launch pads to save space and prevent someone from being poked in the eye.
- Rockets ARE NOT to be displayed with used or unused rocket engines either in the rocket or as part of the stand, if rocket engines are included in the exhibit the judge may disqualify the exhibit.
- Rockets should be flown unless there is an active burn ban in the county or conditions are too dangerous to safely launch the rocket. Just flying the last stage (the part with the nose cone) of a multi-stage rocket is acceptable.
- Rockets, except those in the JR division, are not to be "beginner kits" or use prefabricated (molded plastic) fin assemblies, or pre-finished rockets requiring no painting, these are not acceptable outside the JR division, and should be disqualified. Rockets entered in the JR division may not go on to the Kansas State Fair.
- Angles of fins must fall within a plus or minus 2-degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from <http://rocketry.engtech4ks.com/>
- 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.
- Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
- Engine mounts are to be securely attached to the body tube.
- Any seams on plastic parts are to be sanded smooth.
- The recovery system (typically a parachute or streamer) should be attached according to the instructions

- The nose cone is to fit snugly but still allow for easy removal.
- 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.
- Models may not be judged based on their paint scheme (colors and placement on the rocket), except for rockets that fit the definition of a ‘scale model*’ and are entered in the scale model class. All other rockets do not have to follow the suggested paint scheme, allowing the 4-H’er to display maximum creativity in the finishing of their rocket. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the non-scale model from one ribbon placing to another.
- “Scale models*” entered in the scale model class may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
- “Scale Models*” displayed in the scale model class are to be finished and completed with a majority (greater than 70%) of decals. For all other rockets the use of decals is optional.
- Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
- Original design rockets must be designed by the exhibitor(s).
- Exhibitor(s) must be 11 years of age (4-H age) or older to enter an original design rocket.
- Original design rockets must include detailed instructions, so that someone could construct the original designed rocket just like a kit purchased at a store. Instructions can be as many pages as needed to convey full and complete construction techniques.
- For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying. Swing testing of the rocket is required. Other tests and calculations are strongly encouraged. Exhibitors must include documentation of the swing test. Failure to swing test a rocket will result in a deduction of TWO ribbon placings.
- Rockets that use more than one ‘D’ engine or equivalent are considered mid or high- power rockets in 4-H.
- Mid and High-Power exhibitors must be at least 14 years of age by January 1 of the current year.
- In addition to the information packet completed for all rockets, a high-power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.EngTech4KS.com/>
- Exhibitors in the mid and high-power divisions must hold memberships in either NAR or Tripoli organizations.
- The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all mid and high-power rocketry exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year.
- 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.
- For rockets launched using an engine(s) that have 160.1 (‘H’ engine or equivalent amount of smaller engines) Newton’s-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification if launching on this large of an engine.

NOTE: As defined by the National Association of Rocketry (NAR), a scale model is “any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle.” The intent of scale modeling is, according to the NAR, “to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish, and flight performance.” (NAR “Pink Book” 50.1 4-1)

ROCKETRY CLASSES

Beginner Division (Ages 7-8)

***Class 5520A** – Rocket made from kit, without pre-assembled fin units. Include plans.

***Class 5520B** – Rocket made from “beginners kit.” Include plans. Rockets in this class may have pre-assembled fin units. (This class is for first and second year 4-H members to explore the rocketry project.)

***Class 5520C** – Scale Model Rocket made from kit. Include plans.

Junior Division (Ages 9-13)

Division A – Kit

Class 5520 – Rocket made from kit. Include plans.

Class 5537 – Scale Model Rocket made from kit. Includes plans.

Intermediate Division (ages 11-13)

Division B – Scratch Built

Class 5521 – Rocket designed by exhibitor: not merely a modification of an existing kit, Include original plans.

Class 5538 – Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

Senior Division (ages 14 and older)

Division C

Class 5525 – Rocket made from kit. Include plans.

Class 5526 – Rocket designed by exhibitor: not merely a modification of an existing kit, Include original plans.

Class 5539 – Scale Model Rocket made from kit. Includes plans.

Class 5540 – Scale Model Rocket designed by exhibitor; not merely a modification of an existing kit. Include original plans.

Team Division (ages 11 and older)

Division D – Team Built

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

Class 5530 – Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

Division E (ages 14 and older)

Class 5536 – Mid-power rocket made from kit or original design.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH ROCKETRY AGE DIVISION
PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H AG MECHANICS WELDING RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H AG Mechanics Welding project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Wheeled exhibits must utilize a braking mechanism which prevents the exhibit from freely rolling while on display.
- Exhibitors are responsible for providing sufficient braking or “chocks” for trailer exhibits to ensure that the exhibits do not move once positioned. If using a wheel “chocking” mechanism,

the two individual blocks should be connected together as a pair of chocks, so they do not become separated. At least one pair of chocks should be placed on each side of the trailer to prevent movement.

- For trailer exhibits the tongue of the trailer should have a locking mechanism (e.g. padlock) to prevent the trailer from being moved by unauthorized individuals while being displayed. **A key for the locking mechanism should be left with the superintendent and labeled with the exhibitor's name, county, and phone number.**
- For exhibits with downward swinging parts, such as tailgates, that could pose a fall/striking/crushing hazard should have a tamper resistant locking mechanism such as a “zip-tie” or a “cotter-key” through a release pin that would prevent the swinging part from being accidentally released and falling on someone.
- Each exhibit must be free-standing or sufficiently supported by an exhibitor supplied support system that is moveable and is part of the total dimensions and weight of the exhibit. Exhibit display boards should have a portable and moveable base. No exhibits may be staked to the ground for display.
- Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display
- Exhibits may not be bound, affixed, attached to the Fair buildings, except by the superintendent, Fair Staff, or Fair Extension Staff.
- Painting or spot painting is not allowed on projects after arrival on fairgrounds. If wet paint is detected by judges or superintendents one ribbon placing will be deducted.
- Repair projects having adequate original finish need not be repainted
- Cutting surfaces, such as blades or knives, 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.
- Display cases for small exhibits, such as knives, are acceptable, and must be easily opened so the item can be removed and examined as part of judging.
- 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.
- 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
- Electric powered (battery, corded, solar, or alternative energy) should have a primary shutoff or disconnect switch.
- If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a deduction in ribbon placement or a participation ribbon
- The exhibitor's name(s) and county or district must be tagged or labeled on the display
- Each exhibitor is required to complete the “4-H Ag Mechanics Exhibit Information Form” which is available through your local K-State Research and Extension office or at <http://welding.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 all forms previously released for the division dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. (Exemption: Display Board)
- Each exhibit information packet should include the following items:
 - a. Bill of materials for the project with associated costs, scrap items used may be listed as

- having a \$0.00 cost
- b. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state
- c. If appropriate schematics or working drawings relating to the creation or repair
- d. If appropriate operating instructions
- **FOR STATE FAIR:** 4-H member can include a video showcasing the project as well as a walkthrough of any project mechanics.
 - a. Videos with an accompanying release form (include link) signed by the exhibitor's parent or guardian may be displayed at the State Fair in the Engineering & Technology exhibit area.
 - b. The video must not be more than 8 minutes long and should be included on the USB drive.
- **FOR COUNTY FAIRS:** with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

AG MECHANIC WELDING CLASSES

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

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

Beginner Division (Ages 7-8)

***Class 503 – Welding display board** – a 3 foot by 3 foot display board with different pieces of metal attached

Intermediate Division (Ages 9-13)

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

Class 5560 – Welding ag repair – repair of ag equipment with welding

Class 5561 – Welding ag fabrication – creation of new ag equipment with welding

Class 5562 – Welding general repair – repair of non-ag equipment with welding

Class 5563 – Welding general fabrication – creation of non-ag equipment with welding

Class 5564 – Welding artistic fabrication – creation of artistic or interpretive pieces with welding

Class 5565 – Brazing repair

Class 5566 – Brazing fabrication

Class 5567 – Smithing – A design forged with at least **two** different formed elements (twists and spirals for example)

Senior Division (Ages 14 and older)

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

Class 5570 – Welding ag repair – repair of ag equipment with welding

Class 5571 – Welding ag fabrication – creation of new ag equipment with welding

Class 5572 – Welding general repair – repair of non-ag equipment with welding

Class 5573 – Welding general fabrication – creation of non-ag equipment with welding

Class 5574 – Welding artistic fabrication – creation of artistic or interpretive pieces with welding

Class 5575 – Brazing repair

Class 5576 – Brazing fabrication

Class 5577 – Smithing – A design forged with at least **three** different formed elements (twists, spirals, and bulbs for example)

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM AG MECHANICS WELDING LEVEL

4-H AGRONOMY RULES

- 4-H members must be currently enrolled in the Kansas 4-H Agronomy project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Limited to 1 exhibit per class, 4 classes total.
- Product must have been grown this year, except soybean seed and edible field bean seed.
- All small grain must be exhibited in a one-gallon clear glass jar with a large opening. A 2½ to 3-inch diameter core (Styrofoam or cardboard) can be used in the center of the jar to reduce the amount of grain required. Grain should reach the very top of the jar. Include a lid. Place other exhibits on a firm paper plate or cardboard box.
- Attach completed 4-H label to lid of jar. You MUST specify variety or hybrid on the label.

AGRONOMY CLASSES

Class 2400 – White Corn (10 ears)

Class 2401 – Yellow Corn (10 ears)

Class 2402 – Hybrid Grain Sorghum (10 heads)

Class 2403 – Hybrid Forage Sorghum (entire plant, no roots)

Class 2404 – Other Forage Sorghum (entire plant, no roots)

Class 2405 – Soft Red Winter Wheat (1 gallon)

Class 2406 – Hard Red Winter Wheat (1 gallon)

Class 2407 – Hard White Wheat (1 gallon)

Class 2408 – Sunflower Confectionary Heads (3 heads)

Class 2409 – Sunflower Confectionary Seeds (1 gallon)

Class 2410 – Sunflower Oil Seed Heads (3 heads)

Class 2411 – Sunflower Oil Seed (1 gallon)

Class 2412 – Oats (1 gallon)

Class 2413 – Barley (1 gallon)

Class 2414 – Alfalfa Seed (a gallon)

Class 2415 – Alfalfa Hay (one 6" thick flake or slice from a rectangular bale tied in two directions, or a 10" section from a round bale.

Class 2416 – Native Grass Hay (10" flake or slice, 6 "thick and tied in two directions)

Class 2417 – Brome Grass (1 gallon)

Class 2418 – Other Tame Grass (1 gallon)

Class 2419 – Soybean Seed (1 gallon)

Class 2420 – Soybeans (5 plants)

Class 2423 – Miscellaneous Crops (1 gallon of seed or 10 heads)

Class 2425 – Corn (1 gallon) Bret?

Class 2426 – Cool Season Grass (e.g., fescue, etc.): 10" flake or slice, 6" thick and tied in two directions

Class 2430 – Wheat Variety Plot Display

Class 2440 – Weed Control: Consists of the four items:

- Collect, identify, press, mount, and label a minimum of 15 weeds. Try to include their roots, stems, leaves and flowers. Three of the weeds must be noxious weeds preferably found in your home county. A standard 9"x12" scrapbook may be obtained in which to permanently mount your weed specimens. Identify the scrapbook with your name and county on the inside front cover.
- 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.

- Collect and identify weed seeds found in crop seeds. Mount them for display purposes. Place them in a specially identified section of the scrapbook.
- Write a story on “How We Control Weeds on Our Farm” if you live on a farm. Other members 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.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM AGRONOMY.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

4-H ASTRONOMY RULES

4-H members must be currently enrolled in the Kansas 4-H Astronomy project to exhibit in this division

- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Each exhibitor may enter one exhibit per class.
- Exhibits must have been completed during the current 4-H year.
- Telescopes entered in this division may be a kit or an original design. Pre-finished telescopes which require no construction are not acceptable exhibits.
- Telescopes are limited to no more than six feet in length. They must be placed on a stationary stand that does not allow the telescope to roll or fall over. The stand cannot extend past two feet in length or width.
- Each telescope exhibit must include a “4-H Astronomy Exhibit Information Form,” which is available through your local K-State Research and Extension office or at <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. All revisions of forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. You must also include construction plans (or a photocopy) for the telescope and place it inside the manila envelope.
- See the last section for full details about exhibiting posters, display boards and notebooks.
- At least two photographs showing telescope construction and operation are required. Photos should be mounted on one side of a 8 1/2x11” page. A brief caption should accompany each photo. Place photos in the 10” x 13” manila envelope. Up to 10 pages of pictures can be included.
- The telescope must be properly assembled and painted with a smooth and uniform finish.
- Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
- Exhibitor’s name, county or district, age, and year(s) in project must be tagged or on the telescope
- If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judge’s discretion, will receive a participation ribbon.
- **FOR STATE FAIR** the 4-H Member can include a video showcasing their project as well as a walkthrough of any project mechanics
 - a. Videos with an accompanying release form signed by the exhibitor’s parent or guardian may be displayed at the state fair in the Engineering and Technology exhibit area.
 - b. The video must not be more than 8 minutes long and should be included on a USB drive.

- **FOR COUNTY FAIRS** with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

ASTRONOMY CLASSES

Class 5500 – Telescope made from a kit

Class 5501 – Telescope made from original design

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM ASTRONOMY

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H BUILDING BLOCK ENGINEERING RULES

- 4-H members must be currently enrolled in the Kansas 4-H Building Block Engineering project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Each exhibitor may enter one exhibit. Exhibits must have been constructed during the current 4-H year.
- Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
- The minimum exhibit dimensions must be at least 6 inches wide and deep.
- All exhibits should be placed in a sturdy see-through enclosure with a top, bottom, and 4 sides. A 'clear' tub turned upside down with the exhibit placed on the lid would be an acceptable enclosure. It may be desirable to place a cutting board or other hard surface between the lid and base plate of the exhibit to make it sturdier. This is to keep exhibit components from being "scattered to parts unknown" at the fair. The outer dimensions of the enclosure do not count towards the total exhibit dimensions but should not be excessive. The entire exhibit should fit in the display enclosure so the enclosure does not smash into the exhibit during movement.
- All components used in construction should be dust and hair free, clean, free of chips, scuffs, cracks, or broken blocks.
- Gaps or cracks should not be visible between assembled blocks, unless they fit with the story, for example an earthquake.
- The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®.
- 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.
- The use of existing "store bought" sets for major architectural elements of the display is not allowed, use of figurines from sets is allowed as is using individual bricks or small sub-assemblies to create something different than the architectural component of the set it came from. For example, a car hood or front end from a car kits could be used in a "car museum," just not the entire car. "Store bought" sets should be considered an arts and crafts 3-D entry. The intent of this is to ensure fairness among exhibitors and encourage maximum creativity instead of just following a set of plans.
- Dioramas should be suitably complex and have multiple elements. For example, a camp site that has a log cabin, a tree fort, and a car.
- All dioramas should have a story, which is part of the information pack, that describes what is happening in the diorama; this can be as simple (the nursery rhyme "Jack and Jill" for example) or complex as needed to explain to someone looking at the exhibit what is happening.
- Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method
- 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 should be provided for operation either in the story or on a separate page. Artistic designs with no architectural design/components are not permitted and two ribbon placings will be deducted.

- Artistic designs, for example recreating paintings like the "Mona Lisa" or "Starry Nights" and sculptures like "David," are not permitted as exhibits and one ribbon placing should be deducted, these exhibits should be displayed in Visual Arts.
- The exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the display. Additionally, the display case should have the exhibitor's information attached to both the lid and clear container as the case may be separated from the display.
- Entry of either a packet without an accompanying exhibit or an exhibit without a packet is not a sufficient exhibit.
- Each exhibitor is required to complete the "4-H Building Block Engineering Exhibit Information Form" which is available through your local K-State Research and Extension office or at <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 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.
- Each exhibit information packet should include the following items:
- 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state. Final pictures help in determining where a part might go in case something comes loose.
- If appropriate operating instructions for mechanical portions of the diorama.
- **FOR STATE FAIR**, the 4-H member must include a video telling the story of their project as well as a walkthrough of any project mechanics.
 - a) Videos with an accompanying release form signed by the exhibitor's parent or guardian may be displayed as the State Fair in the Engineering & Technology exhibit area.
 - b) The video must not be more than 8 minutes long and should be included on the USB Drive.
- **FOR COUNTY FAIR** with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

BUILDING BLOCK ENGINEERING CLASSES

Beginners (ages 7-8)

***Class 504** – interlocking brick diorama built from scratch

Intermediate (ages 9-13)

Class 5710 – interlocking brick diorama built from scratch

Seniors (14 and Older)

Class 5711 – interlocking brick diorama built from scratch

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM
EACH BUILDING BLOCK ENGINEERING LEVEL
PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H COMMUNICATIONS RULES

Youth will learn to interpret verbal and nonverbal information, develop effective public speaking skills,

enhance written and spoken communication, defend a point, design a presentation, bring a reading to life and much more!

- **Demonstration/Illustrated Talk, Project Talk, Poetry and Prose**
- Youth will learn to interpret verbal and nonverbal information, develop effective public speaking skills, enhance written and spoken communication, defend a point, design a presentation, bring a reading to life and much more!
 - 4-H members must be currently enrolled in the Kansas 4-H Communications project to exhibit in this division.
 - All exhibits must be tagged or labeled according to specific 4-H project rules.
 - Demonstrations or illustrated talks may be individual or team (2 people) presentations. Project Talks and Public Speaking are individual presentation.
 - Stage schedule for presentations will be made on requested date and time and subject to the number of requests and available time.
 - The presentation should be of sufficient length to cover the topic adequately, three minutes minimum and 10 minutes maximum.
 - Each area will be equipped with a table, an easel, a microphone, a projector, a screen, and one 110-volt electrical power strip. 4-H members are encouraged to use technology when it enhances the presentation. Presenters should bring a computer that will work with an HDMI. No range, microwave or refrigerator is available in the demonstration areas. If extension cords are needed, participants need to bring them. Participants are encouraged to arrive 15 minutes before their presentation.
 - The use and inclusion of specific brand names for educational purposes does not imply endorsement or refusal by the Department of 4-H Youth Development, Kansas State University Research and Extension, or the State of Kansas.
 - Project Talks entries are for youth ages 9-12. A demonstration shows a step-by-step procedure and explains why each step is essential to develop a particular skill or task. An illustrated talk incorporates the use of visual aids (posters, technology supplies, equipment, etc.) that describes the process of the topic being discussed. Demonstrations and Illustrated Talks entries are for Youth ages 9-18. Poetry or Prose should be a piece of literature either Dramatic, Interpretative, Humorous, or other type of reading 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 have the piece memorized. The title and author of the selection should be noted within the presentation.
 - Shooting sports related entries must inform State Office of entry to meet safety requirements. They should follow Kansas State Law regarding firearms listed in the General Rules section of this Fair Book.
 - If you bring small animals into Centennial Hall for a demonstration, you must remove the animal when you leave the building. Animals are not allowed to be left unattended. Per Kansas State Fair rules: No dogs, cats, or other pets, except for Service Animals shall be permitted on the fairgrounds proper (inside the fence).

COMMUNICATIONS CLASSES

Class 5800 - Demonstration, Illustrated or Project Talk by an individual-indicate title and type of presentation in online entry.

Class 5801 - Team Demonstration, Team Illustrated or Team Project Talk (limited to 2 people). Indicate title and type of presentation in online entry

Class 5802 - Poetry or Prose

4-H COMPUTER SCIENCE RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Computers Science project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules
- The actual construction of computer hardware (For example, building a computer, which would include computer components plugged into a motherboard, discrete circuitry soldered on a printed circuit board, or wire-wrapped circuitry) will be entered in the Electronics Division., except for exhibits entered in Class 5594.
- If a safety violation is noted by the judge, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will be disqualified. A safety violation could include Malware, a virus, or any similar program that potentially is harmful.
- All exhibits in the Computer Science division must be entered on a USB drive containing all supporting documents as listed below for each class.
- The USB drive should be included in a manilla folder with the Computer Exhibit Form (found at <http://computers.engtech4ks.com/> or your local extension office) attached to the front.
- The USB drive should be labeled with the 4-H member's name and county.
- Source code must be included on the USB drive for all computer programming projects coded by the 4-H member. This could include a .txt file, python file, Scratch URL, etc. Failure to include the source code will result in one ribbon deduction.
- Each exhibit must include written operating instructions including how to locate, run, and use the project. Operating instructions should be printed and placed in the manilla envelope and included digitally on the USB drive.
- Each exhibit must be accompanied by a typed requirements document included on the USB drive. See [link] for a template that can be used for documenting requirements.
- 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.
- The project requirements section is formatted as a checklist, with the 4-H Member checking off what they accomplished and making adjustments throughout their work on the project as needed.
- Flow charts, designs, or other diagrams may be included for computer programs to show the logical flow of the program as needed.
- For coded computer programs, screenshots of the program will be displayed digitally at the state fair. Screenshots must be included electronically on the USB drive. For county fairs, it is recommended to print screenshots for display at fairs that don't have electronic displays available
- All electric components of micro controlled devices must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.
- **FOR STATE FAIR** the 4-H Member must include a video showcasing how to open and run the project as well as a walkthrough of any project mechanics.
 - a) Videos with an accompanying release form (<http://computers.engtech4ks.com/>) signed

by the exhibitor's parent or guardian may be displayed at the state fair in the Engineering and Technology exhibit area.

- b) The video must not be more than 8 minutes long and should be included on the USB drive.
- **FOR COUNTY FAIRS** with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor

COMPUTER SCIENCE CLASSES

Class 5590 – Computer program, application, app, script, or coded system that is new and unique (not merely a file run in a program, such as a 'word document' or a picture drawn in 'Microsoft Paint.')

Class 5591 - 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.

Class 5594 – Microcontroller or microcomputer application - a small circuit board that is programmed to accomplish a specific task (projects built and programmed using Raspberry Pi, Arduino, etc).

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH COMPUTER SCIENCE CLASS

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H ELECTRIC & RENEWABLE ENERGY RULES

The Electric/Electronics or Renewable Energy, you will have the opportunity to explore the project areas and share what you have learned.

- 4-H members must be currently enrolled in the Kansas 4-H Electric & Renewable Energy project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules
- 4-H members are limited to 4 exhibits in each class and not more than a total of 4 exhibits in electricity.
- Exhibit may be made in school if planned and developed with 4-H project in mind.
- A sheet of operating instructions must be furnished for any exhibit not self-explanatory.
- Projects (classes 4600, 4601 and 4602) must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
- Any project with a complexity of size or electronics must have (a) instructions for assembly and use and (b) equipment available at the time of judging for actual testing of the exhibit.
- No hand dipped solder may be used on exhibits.
- Each exhibit must have a scorecard completed and attached securely. This scorecard is available from your Local Extension Office.

ELECTRICAL/ELECTRONICS CLASSES

Class 4600 – AC Electric Projects. Electric projects with a 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be a restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have wiring access to examine the quality and safety of workmanship.

Class 4601 – DC Electric Projects Electric projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered projects. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must include batteries supplied by 4- Her. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 4602 – Electronic. Electronic projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/assembly manual if from a kit. Include plans if an original project. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 4604 – Newly built or repaired computers. This class is for newly built or repaired computers (laptop or PC) and allows 4-H members to demonstrate skills integrating the various parts of a computer into a single unit. Displays should show either a fully functional computer or show what the individual components do. The display should be free of dust and cabled neatly. Fully functional computers should boot up and do not need to include a monitor, keyboard, or mouse at the State Fair.

Class 4603 – Educational Display or Poster. The purpose of the educational display and exhibit is to educate the viewer about a specific area of the 4-H electrical or electronics project. The display or exhibit should illustrate one basic idea. This class includes any educational displays, exhibits or science fair type projects which DO NOT have a power source, i.e. exhibits, posters or displays of wire types, conduit types, electrical safety, tool or motor parts identification or electrical terminology. Educational displays and exhibits must be legible from a distance of four feet, using a maximum tri-fold size of 3' x 4'.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM ELECTRICS.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

ALTERNATIVE ENERGY

A form of energy derived from a natural source, such as the sun, geothermal, wind, tides or waves. Exhibits in these classes are limited to a standard, commercial 3' x 4' tri-fold display board, with items extending no more than 12" from the back of the display board.

ALTERNATIVE ENERGY CLASSES

Class 4620 – Educational Exhibit - An exhibit designed to inform and create awareness by addressing a focused topic related to power generated from a renewable energy source.

Class 4621 – Experiment - Display an experiment addressing a problem or question related to power generated from a renewable energy source. Include hypothesis, background research, variables, a control, data, findings, conclusions & recommendations for future study. Engine should contain no fuel in tank or carburetor.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM ALTERNATIVE ENERGY.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

4-H ENTOMOLOGY RULES

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

- A 4-H member may exhibit in the ENTOMOLOGY COLLECTION NOTEBOOK and/or EDUCATIONAL DISPLAY categories. Within each category, there are classes in Beginning, Intermediate or Advanced phases in which they enroll. An introductory Entomology/Collection Class exhibit is encouraged for county fairs (first year member only.) See class descriptions within categories for requirements. Resources for exhibiting can be found on the Kansas 4-H Entomology project page.
 - 4-H members must be currently enrolled in the Kansas 4-H Entomology project to exhibit in this

division.

- All exhibits must be tagged or labeled according to specific 4-H project rules.
- All entries should be submitted in an 18x24x3.5 inch wooden display box with a clear plastic top. Boxes can be handmade or purchased as long as they are of the correct size.
- 4-H members may choose to use one of two taxonomies: As printed in “Insects in Kansas’ book or as printed on the “Insects in Kansas Book: 2016 Revised Taxonomy,” which follows www.bugguide.net
- Each exhibitor is required to identify each box with two identification labels bearing exhibitor’s name, county or district, the collection class 4-H member is enrolled in and statement of taxonomy used: One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside.) Arrange specimens in the box so it can be displayed lengthwise.
- The number of orders, specimens (and families where required) must be included on both of exhibitor’s box identification labels. 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.
- Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Specimens are to be arranged by order in the box, then family where required.
- Two labels should be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label should include date/locality. Full county name, state abbreviation and collector name should be on the second label. Collector’s name (or host) on the date/locality label is optional.
- The specimens should be collected by the exhibitor and should focus on Kansas insects. Insects may be collected from one county into bordering states and labeled accordingly. Please refer to “Entomology Collection Exhibition Resource” for full details on out-of- state insects in collections.
- Only specimens of the class insect should be included.
- Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
- Specimens of soft body 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.
- Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.
- After the first year in Entomology, all 4-H members need to add an 8 ½ by 11-inch sheet of paper to their collection that states what they did to improve their collection for the current year. This should include how many new insects were added to the display box (please list), how many insects were replaced in the display box (please list), and number of new orders and/or families were added to the display box. Other optional things that could be included are number of insects caught for the year, number of new Orders added this year, number of talks and/or demonstrations given, activities participated in, leadership roles, etc. This paper should be taped to the upper left corner on the front of your display box

COLLECTION CLASSES

***Class 200** – New Collector Exhibit: 4-H members may participate for 1 to 2 years. Display boxes may consist

of 1 to 2 small cigar boxes without lids and covered with clear plastic wrap. A standard display box may also be used. Number of species – 15 minimum, 30 maximum. Number of orders – 6 minimum. Labels to the insect orders are required and must be pinned to the bottom of the boxes.

Class 4900 – Beginning I Entomology Exhibit: Display in one standard box a minimum of 50 and maximum of 125 species representing at least 7 orders. Follow the guidelines listed for Collections. Members can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

Class 4901 – Beginning II Entomology Exhibit: Display in one standard box a minimum of 75 and maximum of 150 species representing at least 9 orders. Follow the general guidelines listed for Collections. Members can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

Class 4903 – Intermediate Entomology Collection: Display a minimum of 100 and a maximum of 300 species representing at least 10 orders. Two standard boxes can be used. Follow the general guidelines listed for Collections. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging)

- “Insects in Kansas” book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and /or Diptera or
- “Insects in Kansas Book: 2016 Revised Taxonomy,” which follows www.bugguide.net
- Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and /or Diptera.
- Members can exhibit in this class a maximum of 3 years. A 4-H member may move up if they receive a purple ribbon.

Class 4905 – Advanced Entomology Collection: Display a minimum of 150 and a maximum of 450 species representing at least 12 orders. Three standard boxes can be used. Follow the general guidelines listed for Collections. Family Identification is required for all insects belonging to the six basic orders as outlined under the intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. On a piece of paper list what you did to improve your collection during the current year. Examples: what insects did you add or replace; what orders and/or families you added; what Leadership you provided in this project; and/or what insects you have studied. Attach paper to the back of one of the display boxes. Members may continue to exhibit in this class at the Kansas State Fair for an unrestricted number of years as long as they remain eligible for 4-H membership.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

**JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM
EACH ENTOMOLOGY COLLECTION CLASS.**

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

NOTEBOOKS

Individual entries are to be placed for display in a three-ring notebook for competition.

- During the transition, Orders & Family names should follow the taxonomy either 4-H’ers may choose to use one of two taxonomies: as printed in “Insects in Kansas” book or as printed on the “Insects in Kansas Book: 2016 Revised Taxonomy,” which follows www.bugguide.net
- 4-H members who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginner Phase of Entomology Notebooks, not the introductory phase.
- Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitor’s name, county or district and class 4-H member is enrolled in

and statement of taxonomy used:

- a) Option A: "Insects in Kansas" book or
- b) Option B: Which follows www.bugguide.net

The number of orders, specimens and families (required in Intermediate and Advanced classes) must also be included on the Title Page.)

- Specimen pages should be grouped according to order and should include one page per species. If more than one insect is in the photo, an arrow to indicate identified insect should be used.
- Date, common name, full county name, and state abbreviation should be included for each species. Collection's name on the specimen page is optional.
- Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
- 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.
- A divider page is to be placed in front of each order of insects with the order name printed on the tab for a page and also on front of the divider page.
- For the Intermediate and Advanced classes, insects also are to be grouped by family behind each order divider.
- If the exhibitor has been in the same class for more than one year, a separate sheet of paper needs to be added stating how many years the exhibitor has been in this class of the project and what the exhibitor did this year to improve their notebook. Place the paper just behind the Title Page in the front of the notebook.
- A special project must be completed each year and included in the notebook. See Project guideline materials for specification.
- Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect photo size, missing paper work, no special project in notebooks, etc.

NOTEBOOK CLASSES

Class 4907 – Introductory Entomology Notebook: Display a minimum of 10 and a maximum of 30 insect species representing at least 6 different orders. Follow the general guidelines listed for Notebooks, including the Special project. A 4-H member must be of minimum age to compete at the Kansas State Fair. A 4-H member may exhibit in this class for a maximum of two years.

Class 4908 – Beginning I Entomology Notebook: Display a minimum of 20 and a maximum of 60 insect species representing at least 7 different orders. Follow the general guidelines listed for all Notebooks, including the Special Project.

Class 4911 – Beginning II Entomology Notebook: Display a minimum of 40 and a maximum of 70 insect species representing at least 8 different orders. Follow the general guidelines listed for all Notebooks, including the Special project. Members can exhibit in this class for a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair

Class 4909 – Intermediate Entomology Notebook: Display a minimum of 60 and a maximum of 100 species representing at least 9 orders. Follow the general guidelines listed for Notebooks, including the Special Project. In addition, family identification is required for all insects in any two of the following six orders. (Only two will be counted for judging.)

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

- Orthoptera, Hemiptera, Homoptera, Cleoptera, Hymenoptera, and /or Diptera.

Class 4910 – Advanced Entomology Notebook: Display a minimum of 100 and a maximum of 200 species representing at least 12 orders. Follow the general rules listed for Notebooks, including Special project. Follow the general guidelines listed for Notebooks. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining order 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

**JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM
EACH ENTOMOLOGY NOTEBOOK CLASS.
PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00**

EDUCATIONAL DISPLAY

- 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 Entomology Collection or notebook classes above.
- Follow copyright laws as explained in the General Rules.
- The exhibit may be, but isn't limited to, original works, digital presentations (must provide printed hardcopy for exhibit purposes for duration of state fair), programs, websites, games, apps, display box, notebook, display or poster which you have made.
- If the exhibit is a wooden display box, it must be 18 X24 X 3.5 inches with a clear plastic top (such as plexiglass) and displayed horizontally. If the exhibit is a poster, it must not be larger than 22" X 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' X 4' tri-fold display board.
- Name and county/ district must clearly be marked on educational exhibits.
- Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.

EDUCATIONAL DISPLAY CLASSES

Class 4902 – Beginning Educational Exhibit: Class for individuals that are exhibiting in the Beginning I and II Collection or Beginning Notebook Classes. If only exhibiting in this category, then ages 9-12.

Class 4904 – Intermediate Educational Exhibit: Class for individuals that are exhibiting in the Intermediate Collection or Intermediate Notebook Classes. If only exhibiting in this category, then ages 11-14.

Class 4906 – Advanced Educational Exhibit: Class for individuals that are exhibiting in the Advanced Collection or Advanced Notebook Classes. If only exhibiting in this category, then ages 13 or older.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH MONARCH BUTTERFLY EDUCATIONAL DISPLAY CLASS.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

MONARCH BUTTERFLY EDUCATIONAL DISPLAY

- Exhibits should teach the public about the Monarch Butterfly and/or ways to protect and conserve it. The information could show nectar sources for adult butterflies and food sources for caterpillars, Monarch tagging activities, collection of native milkweed and then packaging it to give to others to plant, a group working together to plant a Monarch friendly garden, etc.
- 4-H members may create a poster, notebook, standard size tri-fold, diorama, slide show or other visual display that shows information on Monarch Butterflies.

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

MONARCH BUTTERFLY EDUCATIONAL DISPLAY CLASSES

Class 4920 – Beginning Monarch Butterfly Educational Display Class: for 4-H members enrolled in Beginning I or II Entomology

Class 4930 – Intermediate Monarch Butterfly Educational Display Class: for 4-H members enrolled Intermediate Entomology

Class 4940 – Advanced Monarch Butterfly Educational Display Class: for 4-H members enrolled in Advanced Entomology

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH MONARCH BUTTERFLY PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

4-H FIBER ARTS RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Fiber Arts project and can only exhibit in classes that correspond with the specific Fiber Arts projects you are enrolled in. Limit of 4 entries per class, plus 1 educational exhibit per class.
- Articles that are part of a set should be entered as 1 exhibit and fastened together with yarn, safety pin, or other means. Examples of a set are: crocheted baby sweater and cap, identical woven place mats, identical embroidered napkins, etc.
- Identification Label:
 - a) Type or print on a 3" x 21/2 "piece of cloth: class number, county or district, and exhibitor's name.
 - b) Sew or safety pin this ID label on the corner of flat articles.
 - c) For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.
- When articles, which are normally worn as a pair, are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
- 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.
- All exhibits which need to be hung, MUST have the appropriate saw tooth hanger, rod, wire or other mechanism attached in order to be properly displayed. If necessary, hardware is not attached, it may not be displayed.
- Fiber Arts Educational Notebook - Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts.

NOTE: A collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the notebook

FIBER ARTS CLASSES

Class 4111 – Crochet: an article or set, including felted items

Class 4112 – Knitting, an article or set (can be made either by hand or on a knitting machine), including felted items

Class 4113 – Needle Arts: an article or set created by hand by any of the following techniques: embroidery, cross-stitch, needlepoint, candle wicking, crewel, lacework, or applique

Class 4114 – Patchwork and Quilting, an article or set. It is acceptable for the 4-H member to create the patchwork item and have someone else quilt it, or to have it professionally quilted.

Class 4115 – Rug Making: a rug

Class 4116 – Spinning: a skein of yarn

Class 4117 – Weaving: an article or set

Class 4118 – Ethnic Arts: an article, including felted items

Class 4119 – Macramé

Class 4120 – Fiber Arts Educational Notebook:

Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-to, photographs of completed projects, or other ways of educating others about fiber arts.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH FIBER ARTS CLASS.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H FOODS AND NUTRITION RULES

In this project, you will have fun learning how to cook the basics. Develop baking skills, learn about food preservation and how to make healthy snacks and modify recipes.

- 4-H members must be currently enrolled in the Kansas 4-H Foods and Nutrition project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Attach label to bottom of plate or cardboard, include the following: Class Number, Food Product Name, 4-H member's Name, and County or District.
- The exhibitor is encouraged to attach a 3" x 5" index card with the entry card in all foods classes to give the judge any information which the exhibitor thinks would be helpful for the judge to know.
- 4-H members may exhibit up to 4 different baked products and 1 food gift package. All products must be made from scratch, no mixes allowed. Number of years in the project should be reflected in the difficulty of the food item prepared.
- Complete recipes with ingredients and instructions must be attached with the entry, or the placing will be lowered one ribbon when judged.
- For food safety purposes, any entries with frostings and fillings must calculate the amount of sugar in the frosting/filling recipe only. Calculation must be attached to entry, or the placing will be lowered one ribbon when judged. Frosting and fillings need to contain more than 65% sugar for safety. Examples on how to calculate this percentage are included in the publication located at: <https://bookstore.ksre.ksu.edu/pubs/MF3544.pdf>
- For food safety purposes, any food with custard and dairy-based fillings and frostings (ex. Cream cheese) raw eggs, flavored oils, "canned" bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration (ex. Bacon) or unbaked exhibit with raw flour (ex. No bake cookies) will be disqualified and not judged.
- Alcohol (ex. Wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries

with alcohol will be disqualified and not be judged.

- All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe. Exhibit 3 cookies, 3 muffins, 3 bread sticks, 1 loaf bread, etc.
- Under baked entries will be lowered one or more ribbon placings.
- All un-frosted cakes should be exhibited in an upright position with crust showing. The exception is for cakes made with special designs such as Bundt cakes. They should have top crust side down.
- Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or disposable container of appropriate size for the exhibit.
- Exhibits should be in food grade plastic bags, disposable plastic containers or boxes of appropriate size for the exhibit. Only the exhibit is judged. The container is not judged.
- The Champions and Reserves of each age division are eligible for participation in the foods auction. The participant would need to make a fresh product to be given to the winning bidder by Friday evening of the fair.

FOODS AND NUTRITION CLASSES

Beginner (ages 7-8)

***Class 301 – Non-Perishable Food Product**

Suggested products, but not limited to:

- Popcorn snack (1 cup)
- Nutritious Cereal Snack (1 cup)
- Muffins, 3, from a mix; do not use paper liners. Bring mix instructions.
- Muffins, 3, from scratch; do not use paper liners.
- Cupcakes, 3, from a mix, frosted or unfrosted; paper liners may be used. Bring mix instructions.
- No-Bake cookies

Junior (ages 9-11)

Class 4300 – Non-Perishable Food Product

Suggested products, but not limited to:

- Drop Cookies, 3
- Nutritious Bar Cookies, 3
- Molded Cookies, 3
- Soft Pretzels, 3
- Rolled Baking Powder Biscuits, 3
- Muffins, 3, from scratch; do not use paper liners
- Loaf Quick Bread, 7" x 3" or 9" x 5" size
- Use of whole grain flour, fruit, and/or nuts is encouraged

Intermediate (ages 12-14)

Class 4302 – Non-Perishable Food Product

Suggested products, but not limited to:

- Loaf Yeast Bread, white, 9" x 5" loaf size
- Loaf Yeast Bread, whole wheat, 9" x 5" loaf size (Eligible for Special Award)
- Loaf Yeast Bread, any type, made with bread machine
- Loaf Yeast Bread, any type, dough made with bread machine, shaped and baked traditionally
- Variety Yeast Bread (examples - yeast coffeecake, 3 dinner rolls, 3 cinnamon rolls)
- Variety Yeast Bread, dough made with bread machine, shaped and baked traditionally
- Loaf Quick Bread, 9" x 5" or 7" x 3" loaf size

- Quick Bread, 8" or 9" square or round (examples - gingerbread, coffeecake, Boston brown bread)
- Muffins, 3, made from scratch; do not use paper liners
- Rolled Cookies, 3
- Cake, 1, 8" or 9" round or square, unfrosted

Senior (ages 15 and older)

Class 4304 – Non-Perishable Food Product

Suggested products, but not limited to:

- Layer Cake, 1 or 2 layers, 8" or 9" round or square
- Angel Food or Sponge Cake or 3 Angel Food or Sponge Cupcakes, unfrosted
- Specialty Yeast Bread (examples - onion flatbread, Armenian Thin Bread, 3 bread sticks)
- Fruit Pie, 2-crust in disposable pan

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH FOODS CLASS.

JUDGE MAY SELECT HONORABLE MENTION FROM EACH FOODS CLASS.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

FOODS PRESERVATION RULES

- 4-H members must be currently enrolled in the Kansas 4-H Food Preservation project to exhibit in this division.
- Each jar exhibited must be labeled. The label must not cover brand name of jar. The label must give: Class Number, Product, Altitude where processed, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), Date processed including month and year, Name, and County/District.
- 4-H members may exhibit 1 jar per class, not to exceed 3 total exhibits. Products must have been preserved during the current 4-H year.
- Recipes and processing methods from the sources below are recommended. Recipes must be from current, tested resources listed below AND MUST BE ADJUSTED FOR ALTITUDE based on your processing location or it will be disqualified. Processing methods that will be disqualified include: open kettle-canning, oven canning, sun canning, and using electric multi-cookers. Tested recipe resources include:
 - a) K-State Research and Extension Food Preservation publications
 - b) Other University Extension Food Preservation publications
 - c) USDA Complete Guide to Home Canning @2015
 - d) So Easy to Preserve, 6th Edition, The University of Georgia Cooperative Extension Service
 - e) Ball Blue Book Guide to Preserving, Edition 38
 - f) All New Ball Book of Canning and Preserving, @2024
 - g) Ball Complete Book of Home Preserving
 - h) Canning Mixes (i.e. Mrs. Wage's, Ball)
 - i) Pectin manufacturers (i.e. Sure-Jell, Ball)
 - j) <https://www.rrc.k-state.edu/preservation/recipes.html>
 - k) <https://nchfp.uga.edu/>
 - l) Refer to K-State Research and Extension publications for more information.
- Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and not be judged.
- Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be disqualified. Recipe must include exhibitor name, recipe source, date of publication, and altitude, where food was processed. If using Mrs. Wage's or Ball® mixes, indicate the date the

mix was purchased

- Exhibits must be processed in clean, clear standard canning jars, with matching brand (ex: use Ball® lids on Ball® jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not use colored jars, fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex: Pickled asparagus). Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe (ex: Salsa is canned in pint jars only, no quarts). Note: There are 12-ounce, 24-ounce and 28-ounce canning jars available and may be used. Use pint jar process recommendations for 12-ounce jars. Use quart jar process recommendations for 24 ounce and 28- ounce jars.
- Classes 4350-4355 will require one jar for each class.
- If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 – ½ cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature! Dried products must include the recipe, preparation steps and heating instructions. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found in “Dry Meat Safely at Home.

FOOD PRESERVATION CLASSES

Class 4350 – Sweet spreads & Syrups

Class 4351 – Fruits and Juices

Class 4352 – Low-Acid Vegetables (green beans, corn, etc.)

Class 4353 – Pickles and Relishes

Class 4354 – Tomato/Tomato Products

Class 4355 – Canned Meat, 1 Jar

Class 4356 – Dried Foods – one small jar

**JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM FOOD PRESERVATION PREMIUMS:
PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75**

OTHER FOOD EXHIBIT RULES

- 4-H members must be currently enrolled in the Kansas 4-H Other Food project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Educational Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22” x 28”. Displays are not to exceed a standard commercial 3’ x 4’ tri-fold display board. Name and county or district must be clearly marked on educational exhibits. The educational exhibit evaluation form will be provided at judging time. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit
- Food Gift Package must contain at least 3 different food items, prepared by the 4-H member, in a suitable container no larger than 18” x 18” x 18”. Prepared food items must have recipes attached with the entry. Additional homemade food items beyond the 3 minimum, or purchased items may also be included. On the back of the entry card answer these questions: a) what is the intended use; b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food exhibit, not an educational exhibit. No alcoholic beverages will be accepted. Home canned foods must follow Home Preservation rules. Canning jars should not be used for baking per manufactures instructions. They could

break during baking.

- Bring to food judging.

OTHER FOOD EXHIBIT CLASSES

***Class 334** – Educational Food Exhibit, 7-8 Years Old

Class 4301 – Educational Exhibit, 9-11 Years Old

Class 4303 – Educational Exhibit, 12-14 Years Old

Class 4305 – Educational Exhibit, 15-18 Years Old

***Class 4306** – Food Gift Package

***Class 4307** – Place Setting

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH OTHER FOODS CLASS

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H FORESTRY RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Forestry project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Each member may enter up to two exhibits in 4-H Forestry but only one entry per class. Participants can exhibit in a collection phase and one other class, 5104-5109, or they may exhibit in any two non-collection classes, 5104-5109.
- All leaf exhibits are to be mounted on 8 1/2 x 11 inch heavy stock paper and placed in loose leaf binders. (Magnetic or adhesive filler sheets for photographic prints or sheet protectors are recommended.) Twigs and fruit collections may be exhibited in whatever manner you choose (maximum trifold size is 3' x 4'.) Resources for exhibiting are located on the Kansas 4-H forestry project page.
- Name, club, age, and year in project should be on front cover or in a prominent location.
- Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) the proper common name as listed in the 4-H Bulletin 334, "List of Native Kansas Forest Trees"; (2) location (city and/or county) where collected; and (3) date (day, month, year) or (month, day, year) collected.
- Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees.
- Group specimens according to the years collected (ex. "old-previous years" and
- "new.")
- New specimens are those collected during the current year. They cannot be a duplicate species of a previous specimen.
- Variations of varieties do not count as different species or specimens.
- 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.
- If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
- In all leaf collections, exhibit one complete leaf where possible. If leaf is too large, exhibit as

much as possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion is from. Note: A “leaflet” is incorrect when displayed as the complete leaf for the tree.

- All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.

FORESTRY CLASSES

*Knowing Trees as Individuals (Leaf Collections**)*

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

- Exhibit a minimum of 10 different leaves from native Kansas trees collected within the year. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees. OR
- Exhibit a minimum of 5 native Kansas trees showing leaf, twig and fruit from each species collected.

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

- Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees. OR
- Exhibit a minimum of 10 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig & fruit specimens.

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

- Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees. OR
- Exhibit a minimum of 15 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig & fruit specimens.

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

- Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees. OR
- Exhibit a minimum of 20 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 10 new leaf, twig & fruit specimens.

HOW A TREE GROWS

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

TREE APPRECIATION CLASS

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

GROWING AND PROTECTING TREES CLASS

Class 5106 – Display/Notebook: Entry requires a display or project notebook, telling about project and pictures before, during, and after planting seedlings, a container tree, or a balled and bur lapped tree.

Maximum tri-fold size is 3' x 4'.

TREE CULTURE CLASS

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

HOW FORESTS SERVES US CLASS

Class 5108 – Entry may include collected wood samples (all or partial) and 2-page essay. Wood sample display to be mounted on poster board or any still material no large than a 3' x 4' tri-fold. Essay should be displayed in a covered binder.

EDUCATIONAL/CREATIVE EXHIBIT CLASS

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

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM FORESTRY. PREMIUMS:

PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

4-H GEOLOGY AND LAPIDARY RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Geology project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules
- The exhibit box should be 18" x 24" x 3½". Plexiglas covers are required. Boxes with glass covers 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 Plexiglas cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes 5300-5304 only, the dimensions of the box should be appropriate for the display, but should not exceed 18"x24"x3½".
- Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper left-hand corner of the Plexiglass cover (inside-use clear double-sided tape to adhere gummed labels), and by attaching a label with the same information on the lower right corner of the box (outside).
- Exhibitor may enter in both geology and lapidary classes. Exhibitor may show in only one of the first four geology classes (5200, 5201, 5202 or 5203). Exhibitor may also show in geology class 5204 (special exhibit), 5205 Mineralogy, 5206 Fossils, and in one lapidary class.
- Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
- For the geology classes 5200, 5201, 5202 and 5203, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus's name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words "phylum, class, genus" on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite;

Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda Class: Articulata Genus: Composita).

- For geology classes 5200, 5201, 5202, 5203, 5305, and 5206 all specimens must be collected by the participant (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.

GEOLOGY CLASSES

Class 5200 – Geology– At least 15 different rocks, minerals or fossils collected during the current 4-H year. Limited to 1 exhibit box with plexiglass cover. Only those at the state fair exhibiting for the first time may enter this class.

Class 5201 – Geology– Display at least 30 different rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4H year. Exhibitor is limited to one exhibit box. This class is open to those exhibiting either first or second time at State Fair.

Class 5202 – Geology– Display at least 45 rocks, minerals, or fossils, at least 5 of each.

Fifteen must be collected during the current 4H year. Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key

Class 5203 – Geology Display at least 60 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4H year. Exhibit limited to two boxes. This class is open to those exhibiting the fifth time or more at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.

Class 5204 – Geology Educational Exhibit – Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. It is encouraged to: List your sources used (example – web addresses or books reviewed as a citation list). Exhibit limited to 4 feet of table space. Care should be taken to use durable materials that will withstand State Fair conditions. Exhibitor may show in the class regardless of number of times he or she has exhibited at State Fair or whether exhibitor has entries in classes 5200, 5201, 5202 or 5203.

NOTE: Exhibitor may also exhibit in lapidary class.

Class 5205 – Mineralogy - Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (i.e.: Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (ie: CaCO₃ for calcite) if known.

Class 5206 – 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 (Brachiopoda, Chordata, Mollusca, etc.) The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen; date collected; county where collected; formation, member, or source; phylum, class, and genus or part; and geologic age (Cretaceous, Permian, Pennsylvanian, etc.) See #5 for additional fossil labeling expectations.

Class 5207 – Petrology - Display a minimum of 15 rock specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. Rocks are to be grouped by the 3 rock classes (Sedimentary, Igneous, and Metamorphic). You must display at least one specimen from each of the three classes. The specimens must fit in one standard display box. Specimen labels must include a specimen number, the date collected, name of specimen, and the county where collected. All rocks must be identified by the formation

and member name (Examples: Fort Hays Limestone, Member of the Niobrara Chalk Formation) or source (Examples: Rocky Mountain Outwash, glacial till).

***Class 211** – Display of specimens found this year. MAY BE EXHIBITED IN ANY PLEASING MANNER SUCH AS A DIVIDED COMPARTMENT BOX OR REGULATION GEOLOGY BOX.

Exhibit should be labeled with specimen names, location found and date collected.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH GEOLOGY CLASS.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

LAPIDARY

- 4-H members must be currently enrolled in the Kansas 4-H Lapidary project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Use standard size exhibit box (18"x24"x3 1/2") with sliding plexiglass cover.
- All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the 18" across the top and 24" deep on the sides.
- Specimens should be labeled with: specimen name, place of origin (county, state, or country), indicate if purchased or collected, date lapidary treatment began and completed.
- Limited to 1 exhibit
- Will be judged on the following criteria: 60% workmanship and content, 30% presentation and showmanship, and 10% accuracy of information.

LAPIDARY CLASSES

Class 5300 – Lapidary - Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of "before and after", nor do they have to be self-collected. Locales must be identified. Only those exhibiting lapidary at the State Fair for the first time may exhibit in this class.

Class 5301 – Lapidary - Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-H'er collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year

Class 5302 – Lapidary - Display "before and after" examples of at least 6 varieties of specimens, with 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 member, at least one of which comes from Kansas. Lapidary work on at least 3 varieties should have been done during the current 4-H Year.

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

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

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH LAPIDARY CLASS.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

HORTICULTURE & LANDSCAPE DESIGN

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

- 4-H members must be currently enrolled in the Kansas 4-H Horticulture project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Read general fair and 4-H regulations.
- Open to all 4-H members enrolled in the Horticulture or Foods projects.
- Entries are limited to 1 per type of vegetable, 5 total exhibits.
- All Garden exhibits must be grown by the exhibitor.
- Place entries on a firm paper plate, bowl, or cardboard box.
- Attach completed 4-H label to the plate or box. Variety should be included if known, especially for potatoes.

NOTE: The publication “Exhibiting Fruits and Vegetables” is available at

<http://www.bookstore.ksre.ksu.edu/pubs/c405.pdf>

HORTICULTURE CLASSES

Class 2500 – Garden Display: Display limited to 4 square feet of space. Display must be exhibited in a tray, basket or container that can be easily moved. Display consists of 5 different vegetables or fruits, only 1 variety of each type. The numbers of the 5 types of vegetables are:

- 1 each of large vegetables – cabbage, cantaloupe, eggplant, large pumpkin, squash, watermelon.
- each of medium vegetables – beets, carrots, cucumbers, decorative gourds, potatoes, peppers, miniature pumpkins, okra, onions, sweet potatoes, radishes, tomatoes or other similar sized vegetables.
- 12 each of small vegetables – green snap beans, wax beans, English peas, or other similar sized vegetables.
- One half-pint box of small fruits (strawberries, blackberries, or other similar sized fruits)
- each of apples, pears, peaches or similar sized fruits
- 2 bunches of grapes

Class 2501 – Small Vegetable Specimen Plate (12 specimens of green beans, yellow wax beans, green onions, cherry tomatoes or other small vegetables)

Class 2502 – Medium Vegetable Specimen Plate (5 specimens of cucumbers, tomatoes, beets, onions, bell peppers, jalapenos, okra, parsnips, miniature pumpkin, decorative gourds, turnips, potatoes, radishes, carrots, or other medium sized vegetables)

Class 2503 – Large Vegetable Specimen Plate (1 watermelon, summer squash, winter squash, pumpkin, eggplant, cabbage, cantaloupe, or other large sized vegetable)

Class 2504 – Fresh Culinary Herbs 6 stems of one variety of fresh herbs exhibited in a disposable container of water.

Class 2505 – Small fruits in one half-pint box (strawberries, blackberries, raspberries or other similar sized fruits)

Class 2506 – Tree fruits plate (5 each of apples, pears, peaches, or other similar sized fruits)

Class 2507 – Grape plate (2 bunches)

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM HORTICULTURE.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

LANDSCAPE

- All Floriculture exhibits must be grown by exhibitor, except for dried arrangements. House plants must have been cared for by the 4-H member for at least 6 months, except for terrariums.
- Classes 5600 & 5601 - limit of 3 entries per class. Classes 5602, 168, 5603, 170, 171, 172, 5604 limit of 1 entry per class. Maximum of 6 total exhibits.
- Single stem flowers should be in a small vase, or bottle with no label.
- Attach completed 4-H label to the container.
- Potted plants are not accepted for class 5600 – 5603.
- The publication “Preparing Cut Flowers For Exhibit” is available at <http://www.bookstore.ksre.ksu.edu/pubs/4H826.pdf>

FLORICULTURE CLASSES

Class 5600 – Annual Garden Flower, cut specimen, single stem

Class 5601 – Perennial Garden Flower, cut specimen, single stem

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

Class 5603 – Dried Flower Arrangement – no fabric or plastic material allowed

Class 5604 – Horticulture Notebook. Entry shall consist of a note book 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 horticulture project work. 4-H members are encouraged to include photographs; illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. Exhibitor can enter one horticulture notebook. Horticulture notebook scoring is as follows:

- 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%

***Class 168** – Houseplant

***Class 170** – Terrarium

***Class 171** – Cactus Garden (at least 5 different cacti arranged in a planter or container)

***Class 172** – Preserved or Artificial Arrangement

***Cannot be exhibited at the State Fair**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM FLORICULTURE.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

4-H INTERIOR DESIGN RULES

4-H members must be currently enrolled in the Kansas 4-H Interior Design project to exhibit in this division.

- All exhibits must be tagged or labeled according to specific 4-H project rules
- 4-H members can enter 1 exhibit in each of the 3 classes. Exhibits must reflect the work done in the current 4-H year.
- Attach completed 4-H label to exhibit.
- A summary including plans, explanation of how the items were made or refinished and how it fits into the color and design of the room. Summary could also be project inspiration, challenges, who helped you, and any other information that could be helpful to the judge. Summary should be in a plastic protective sleeve and attached to the exhibit.

- Projects with missing or insufficient summary will be lowered one ribbon placing.
- Exhibits should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged.

INTERIOR DESIGN CLASSES

Class 4400 – Single Exhibit – An article (furniture, fixtures, interior or exterior, etc. made or refinished/repaired by the

4-Her for the home. Must include a summary.

Class 4401 – Design Board. Boards must be on foam core or a standard tri-fold display. Include: color scheme, wall treatment, floor treatment, samples, etc. and/or floor plan for a room. Must include attached summary.

Class 4402 – Notebooks may include floor plans, swatches, colors, stories, photographs, and project records with detail what was accomplished this year with a given indication of long-term plans. Notebooks should also include project inspiration, challenges, who helped you, and any other information that could be helpful to the judge. Addition summary is not required for notebook exhibits.

Class 4403 – Marble Maze or Enclosure

Class 4404 – Marble Maze

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH HOME ENVIRONMENT CLASS.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

4-H PHOTOGRAPHY RULES

Tell your story through photography. This project helps capture unique and fun photos of friends, family, pets, nature and important events in your life that you want to document. Learn how to plan, compose, light and exhibit your photos. Learn the basics of using a smartphone or camera and advance into wide-angle and telephoto lenses, filters, light meters and computer enhancement. Photos are judged on composition, technique and appeal.

- 4-H members must be currently enrolled in the Kansas 4-H Photography project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Attach completed 4-H label to the back of the photo mounts.
- Exhibitors may enter up to 5 exhibits.
- Photographs entered must be the result of the current year's project work by the 4-H member. Photo images must be taken by the 4-H Member (exhibitor).
- Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes. HDR photos are to be entered in the standard photo class.
- The black and white classes are for black and white photos only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class
- All photos must be no larger than 8" x 10" and no smaller than 7" x 9" after trimming.
- Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the State Fair.
- Photos with live subject(s) on railroad right of way or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and will be DISQUALIFIED and Not Judged.
- Copyright protections must be observed.

- Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the 4-H Specialist responsible for the photography project.
- **Photo Mounts:**
 - a. A full coverage permanent mount (spray adhesive recommended or heat mount) must be made. (No household glues, double stick tape, etc.) Each photo is handled numerous times (up to 30) throughout the judging, sorting, and display process.
 - b. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" sheet of white or cream studio matte board. Photos mounted on poster board will not be displayed. Matte boards may be purchased from your local K-State Research and Extension office.
 - c. Photos must be mounted with the top edge of the print 1" below the top of the mount (board is always oriented narrow side up). The sides of the print must be equal distance from the two sides of the mount.
- Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
- To protect exhibit from dust and moisture, photos must be placed in a clear flap seal bag available from the extension office. DO NOT use the adhesive strip to seal the bags. Leave unsealed or use a short piece of masking tape.
- No lettering or dates are permitted on the front of the mount or on the photo. No underlays or borders are to be used.
- On the back of the mount, write; the exhibitor's name, photo class, and the Extension Unit (county/district). If in a district, please use full district name and add county name.
- Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.

PHOTOGRAPHY CLASSES

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

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

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

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

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

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

Class 4806 – My Favorite 4-H Photography:

- "Display Only" Class.
- Eligible members must have enrolled in photography for 10+ years.
- Requirements are:
 - a. Choose 4 of your favorite photos from any of the years enrolled in photography. If photo was used previously, remove all data slips and stickers. If the photo is unmounted, mount it using 4-H requirements.
 - b. Develop a short biography piece:
 - Tell how/when an interest in photography began
 - Explain why each of the four photos is a favorite
 - Share the skills learned because of photography. Think beyond the camera skills and include leadership, community service, etc.

- Tell of any mentors/leaders worked with.
- Share workshops or camps pertaining to photography you attended.
- Explain (if relevant) any plans to use photography skills beyond 4- H/High School.
- Include a small (2 X 3) photo of yourself at the start of the biography.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH PHOTORAPHY CLASS.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

PORTFOLIO

Class 4807 – Growth Portfolio

- Member must have been enrolled in Photography Project for five years or more.
- Exhibit will consist of one photo for each year of enrollment. Each photo must have been created in a different year and must be labeled with the year taken/project enrollment year. A maximum of 5 photos may be included if the member has 5 or more years of enrollment. Photos are not required to be in a consecutive order. For example, a nine-year-old with three years enrollment in photography is eligible to enter a growth portfolio. The portfolio in this example should have one photo from the seven-year-olds year, one photo from the eight-year-olds year, and one photo from the nine-year-olds year. The growth portfolio class may start at any time in the member's photography career. For an older member, the growth portfolio would represent any five years in the project, for example, years 1,3,5,7 and 9 for a member having project enrollment totaling 9 years.
- Photos must be 8"x 10" and may be color or black and white and must be unmounted.
- An information sheet must accompany each photo giving brand and model of camera used to create the photograph setting for focal length, aperture, mode ad shutter speed must also be listed. The skills 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 Kansas4h.org website, is a form fillable document and is required.
- A short introduction of the photographer should be placed in the first page. This introduction should tell why the 4-H member enrolled in the Photography project and why they have continued to enroll. Exhibitor could also tell of a fun event photographed, a learning experience that taught them new skills or other related learning.
- Beginning with photo 2 (two), member describing of GROWTH in project skill must be included on information sheet.
- Exhibit will consist of introductory page, skill sheet and photo from each year in chronological order and arranged in a portfolio book. Skill sheet will go in left hand page and unmounted photos in right hand page

Class 4808 – Career Portfolio

- Member must have been enrolled in Photography Project for five or more years OR member must be age 15-19 and been enrolled in photography for at least two years.
- Exhibit will consist of ten 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.) Photos may have been created over multiple project years.
- Photos may be color except if Black and white option is chosen and must be unmounted.
- An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal, length, aperture, mode, and shutter speed must also be listed.

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

NOTE: A member may enter only one portfolio each year. Portfolio must qualify at the County/District Level

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION
FROM EACH PHOTORAPHY PORTFOLIO CLASS.
PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

4-H POSTERS, NOTEBOOKS, COMMISSIONERS BASKET RULES

POSTERS

- Posters should be 4-H related and standard 22" x 28" size.
- Limit of 3 posters from overall classes.
- Must be in place by 8:00 pm Tuesday
- Attach completed 4-H label to back of poster.
- Educational posters for the following projects should be entered in that project division so they will be eligible for state fair competition: clothing, food, shooting sports, wildlife, forestry, STEM and home environment.

4-H exhibitors should avoid using copyrighted and/or trade- marked materials whenever possible. Using these materials for endorsement or promotional instead of educational purposes will be disqualified, will not be displayed, and ribbons/premiums will not be awarded.

POSTER CLASSES

***Class 260** – Educational Poster

***Class 261** – Poster from talk/demo

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM POSTERS
PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

NOTEBOOKS

- 4-H members must be currently enrolled in the Kansas 4-H project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Notebooks for the following projects should be entered in that project division so they will be eligible for state fair competition: food, horticulture, home environment, robotics, wildlife, forestry, fiber arts and STEM.

NOTEBOOK CLASSES

***Class 250** – 4-H Club Secretary's Book

***Class 251** – 4-H Club Reporter's Book

***Class 252** – 4-H Club Historian's Book

***Class 253** – 4-H Member's Memory Book/Scrap Book

***Class 254** – 4-H Project Notebook

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM NOTEBOOKS
PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

COMMISSIONER'S GIFT BASKET

- The Extension Office will choose 5 Tri-County 4-H Clubs to participate in the Commissioners Gift Baskets judging. These 5 clubs will be notified prior to the fair.
- A variety of at least 4 different kinds of (non-perishable) 4H projects or items representing 4H projects should be included. Example: craft, ceramic, fine art, club photo, spices/rubs, food preservatives, 4H promo items, photograph, woodwork, ect.
- The gift basket should be easily visible and attractively displayed in a basket, bowl, or other container.
- Commissioners Gift Baskets will be judged on **WEDNESDAY by public vote from 5:00-9:00 PM inside the 4-H Building.**
- All 5 clubs will present their gift basket to the County Commissioners during a regularly scheduled Commission Meeting.

BASKET CLASS

***Class 350** – Commissioners' Gift Basket.

JUDGE WILL RANK 1ST, 2ND, 3RD, 4TH, AND 5TH FROM COMMISSIONERS GIFT BASKETS
PREMIUMS: 1ST \$25.00/2ND \$20.00 / 3RD \$15.00

4-H ROBOTICS RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Robotics project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Exhibitor may enter 2 robots. Robot must have been constructed during the current 4-H year.
- Each robot must be free-standing without additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
- Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer science system division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer systems projects as the skill is focused on the programming not on the construction of the robot.
- The robot dimensions must be no larger than 2 feet wide by 2 feet deep by 2 feet high. Weight may not exceed 15 pounds. If displayed in a case (not required for the state fair, but strongly encouraged for county fairs) the outside case dimensions may not be more than 26 inches in height, width, or depth.
- Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robot's dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container. (Examples: 4"X4"X36" or 4"X8"X18" or 6"X6"X16) The container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitor's name(s) and county or district as they will be stored separately from the exhibit.
- All electronic components of the robot must be covered or concealed with a protective enclosure (paper coverings are NOT acceptable).
- Robot may be powered by an electrical, battery, water, air, or solar source only. Junk drawer robots may be powered by a non- traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be

disqualified. Weaponry is defined as any instrument, possession or creation, physical and/or electrical that could be used to inflict damage and/or harm to individuals, animal life, and/or property.

- **Remote controlled robots** are allowed under certain conditions provided that the robot is not drivable. Robots programmed on phones/tablets need to have a specific program created, using motion controls to move the robot are not acceptable, for example “press forward on the screen to make the robot go forward.” Robotic arms (hydraulic or electric) are allowed. A remote is allowed, provided more than a single action happens when a single button is pressed on the remote, for example “a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds.” Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
- Each robot must be in working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete its intended task. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot a video will be used to evaluate the working condition of the robot. It should follow the instructions provided for operation so that the judge can follow along with the provided instructions. For county fairs, where consultation judging is used the video requirement should be waived in favor of actual operation of the robot.
- Each exhibitor is required to complete the “4-H Robotics Exhibit Information Form” which is available through your local K-State Research and Extension office or at <http://robotics.engtech4ks.com/>.
- This form must be attached to the outside of a 10” x 13” manila envelope. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms should result in the loss of one ribbon placing for exhibits.
- 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, a video, and one to five pages of project photographs. For robots that can be programmed, robot programming information must be included. This information should be placed inside the 10” x 13” manila envelope mentioned above. Robot programming information can be, but not limited to, source code, block diagrams, screen captures of the coding window, and other images that show the programming logic used. The exhibitor may enter their robot listed under the electric and renewable energy project if the exhibitor so chooses.
- In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device’s safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.
- **FOR STATE FAIR**, the 4-H Member must include a video following their instructions for operation.
 - b) Videos with an accompanying release form signed by the exhibitor’s parent or guardian may be displayed at the State Fair in the Engineering & Technology exhibit area.
 - c) They video must not be more than 8 minutes long and should be included on the USB drive.
- **FOR COUNTY FAIRS** with consultation judging, it is recommended that the video elements be

waived in favor of talking with the exhibitor

- Exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the robot. such as on the bottom of the robot, exhibit cards are not an acceptable form of labeling
- There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H STEM Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H Engineering & Technology project

ROBOTICS CLASSES

Beginner (ages 7-8 years)

***Class 5509A** – Robot made from a commercial (purchased) kit. (No Programming just assembly)

***Class 5510A** – Robot designed by exhibitor

***Class 5511A** – Programmable robot made from a commercial (purchased) kit

Intermediate (ages 9-13 years)

Class 5509 – Robot made from a commercial (purchased) kit. (No Programming just assembly)

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

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

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

Class 5544 – Junk Drawer Robotics

Senior (ages 14 years and older)

Class 5513 – Robot made from a commercial (purchased) kit. (No Programming just assembly)

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

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

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

Class 5545 – Junk Drawer Robotics

Team Division Robotics Project

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

***CANNOT EXHIBIT AT STATE FAIR.**

**JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM
INTERMEDIATE, SENIOR, AND TEAM ROBOTICS.**

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H SEWING & TEXTILE DESIGN RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Sewing and Textile Design project to

exhibit in this division.

- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Place entry form and score card on front left shoulder seam of garment or to the left side of waistband with hanger opening facing to the left, as if you were wearing the garment, so that the hanger opening faces the attached entry form.
- 4-H members may exhibit as many items as they wish. All entries are to be the product of the current years work.
- All entries will be judged at the pre-fair clothing and style revue judging.
- Identification Labels (sew or use a safety pin, no straight pins may be used to attach these items)
- Type or print on 3" x 2½" piece of cloth: Class Number, County or District, Name.
- Attach labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
- Pre-cut kits are acceptable for all clothing classes. All articles/garments must be finished for use.
- To receive premiums, constructed items must be exhibited at the Tri-County Fair. Items to be brought to the 4-H building Tuesday from 4:00 – 8:00 pm. Clothing exhibits must be hung on a hanger with hook to the right shoulder of the garment.
- Clothing is to be attached to the hanger with safety pins and covered with a clear plastic bag to protect the clothing while on display. Non-clothing textile items are to be protected with clear plastic covering or bag. Please attach the ribbon received to the garment or on the hanger.
- Constructed items may be used before they are exhibited, but must be laundered or cleaned before being exhibited.

SEWING & TEXTILE DESIGN CLASSES

***Class 370** – An article, garment or outfit constructed by a Beginner (ages 7-8)

Class 4000 – An article, garment or outfit constructed by a Junior (ages 9-11)

Class 4002 – An article, garment or outfit constructed by an Intermediate (ages 12-14)

Class 4004 – An article, garment or outfit constructed by a Senior (ages 15 years and older)

Class 4006 – Recycled Clothing Exhibit. An item made of at least 50% recycled materials (recycled means reusing an existing item in a new way.) Could be remaking /remodeling a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. An index card (no larger than 4"x6") MUST accompany entry describing the recycled materials and how they were used in the item.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION

FROM EACH CONSTRUCTED CLOTHING CLASS.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

EDUCATION CLOTHING EXHIBIT

- 4-H members may exhibit 1 item per class. Entry is to be the product of the current year's 4-H project work. Attach completed 4-H label to exhibit.
- Share with others what you have learned in the sewing and textiles project. Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22"x 28". If the exhibit is a display, maximum size is not to exceed a standard commercial. 3' x 4' tri-fold display board. Name and county/district must be clearly marked on educational exhibits.

- Bring to clothing judging.

EDUCATION CLOTHING EXHIBIT CLASSES

***Class 377** – Educational Exhibit prepared by an exhibitor: Beginner (ages 7-8) (Construction or buymanship)

Class 4001 – Educational Exhibit prepared by an exhibitor: Junior (ages 9-11)

(Construction or buymanship)

Class 4003 – Educational Exhibit prepared by an exhibitor: Intermediate (ages 12-14)

(Construction or buymanship)

Class 4005 – Educational Exhibit prepared by an exhibitor: Senior (ages 14 and older)

(Construction or buymanship)

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION F

ROM EACH CONSTRUCTED CLOTHING CLASS.

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H SHOOTING SPORTS RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Shooting Sports project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Exhibits in this division are open to educational displays, or promotional posters, or experiential displays. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials to withstand State Fair condition
- The exhibit size rule will be strictly enforced. Exhibits exceeding the size guidelines will be penalized one ribbon color.
- Educational Display: must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3'x4' unless there is a topper that sits on top of the board and does not take up additional table space; no additional table space available for promotional brochures or display items; content not to exceed display board borders.
- Promotional Posters: must be flat and no larger than 22"x30"; content not to exceed display board borders. Exhibits may/will be displayed on wall.
- Notebooks: no larger than 8 ½" x 11". 6. Exhibitors must comply with state and federal laws and Kansas State Fair Management.
- No "live" ammunition containing propellant or explosive powders may be used. An inert substitution must 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.
- Name, county or district, 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.
- Exhibit topics regarding firearm care, handling, and shooting will only be accepted from Extension Units with 4-H Certified Shooting Sports Programs.
- Exhibits will not be accepted if they are related to reloads.

SHOOTING SPORTS CLASSES

Class 6200 – Educational Display; must be directly related to the shooting sports project. Must use a standard

commercial 3' x 4' tri-fold display board. No additional table space available for promotional brochures or display items; content not to exceed display board borders. Failure to follow size limitations will penalize entry one ribbon color.

Class 6201 – Promotional Poster; must promote 4-H Shooting Sports. Flat posters no larger than 22" x 30". Content is not to exceed display board borders. Failure to follow size limitations will penalize entry one ribbon color.

Class 6202 – Notebook; contents pertain to some phase, results, story or information about 4-H Shooting Sports; no larger than an 8 ½ x 11.

Class 6203 – Shooting Aid or Accessory - (SF253) - Any item the 4-H member makes which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is and used for.

Class 6204 – Storage Case - (SF254) - Any item the 4-H member makes with the purpose to safely hold a firearm, bow, ammunition, and/or arrows. Examples: soft sided shotgun case, quivers, firearm safe, include your design, or plans you adapted. Explain how the storage case is used.

Class 6205 – Practice Game or Activity - (SF255) - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials of 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM SHOOTING SPORTS

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

BOOTH

- 4-H clubs, project groups or individual members may enter.
- Subject of booth **MUST BE** 4-H or project related.
- Booths **must be** set up prior to judging. Arrangements may need to be made for building will be opened to allow for early setup.
- Booths are approximately 6' wide, 5' high in the back and 50" high in the front.
- Platforms, tables, etc. used in the booth must be provided by the exhibitor.
- Nails, tack or staples may be used in the background of the booth walls. Picture hooks and picture wire, or masking tape may be used to suspend charts or exhibit material on the wall. All of these items **MUST** be removed from the booth walls at the completion of the fair.
- If electricity is required, exhibitor must provide own extension cord. Cord must be run up over rafters and across to wall. Then down to outlet. Cords taped down across the aisle **WILL NOT** be allowed for safety reasons.
- 4-H exhibitors (individual or group) should avoid using copy- righted and/or trademarked materials whenever possible by originating his/her own work. The use of these materials for endorsement or promotion instead of educational purposes will result in disqualification.
- The basis for judging is:

SCORE CARD

Educational value	35%
Interest and Originality	30%
Appearance	30%
Quality of Display Material	5%
Total points possible	100%

BOOTH CLASSES

***Class 410** – Individual or project group booth.

***Class 411** – Club booth.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM BOOTHS

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

CLUB BANNER

- Each banner should illustrate a phase of 4-H work which is being practiced in 4-H or promote 4-H generally.
- 2 Dimensions are to be no less than 12 and no more than 16 square feet, with no side less than 3 feet.
- The use of copyrighted or trademarked materials for educational purposes should be avoided. The use of these materials for endorsement or promotion will result in disqualification.
- Banners must be hung on a wooden dowel rod. Attached to each end of the dowel there must be a 6" long chain with an "S" hook on the end to hang the banner. S hooks must be tightly secured to the chain.
- Banners will be judged by the following criteria:

SCORE CARD

Educational value	15%
Interest and Originality	40%
Appearance	40%
Quality of Display Material	5%
Total points possible	100%

- Banners must be made of materials that permit the banner to be folded or rolled without damaging the display. Three dimensional objects may not be attached to the banner. Use of three dimensional objects will result in the lowering by one ribbon placement and may not go on to the state fair.

CLUB BANNER CLASSES

***Class 420** – Banner by local club.

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM CLUB BANNERS

PREMIUMS: PURPLE \$15.00 / BLUE \$12.50 / RED \$10.00 / WHITE \$5.00

4-H SMALL ENGINES RULES

Through Small Engines, you will have the opportunity to educate others about what youth have learned through the project or to promote the benefits of participation in those project areas. All exhibits should involve engines smaller than 20 horsepower. Engine should contain no fuel in tank or carburetor.

- 4-H members must be currently enrolled in the Kansas 4-H Small Engines project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- All exhibits should involve engines smaller than 20 horsepower for classes 4610-4612. Engine should contain no fuel in tank or carburetor. Displays are limited to 4' wide and 4' deep – both upright and floor displays.
- Items that have been in use should be cleaned for exhibit.
- A sheet of operating instructions must be furnished for any exhibit not self-explanatory

SMALL ENGINES CLASSES

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

Engine should contain no fuel in tank or carburetor. Displays are limited to 4' wide and 4' deep - both upright and floor displays.

Class 4610 – Educational Display - Exhibit a display selecting one of the following options: A) a display identifying OR showing the function of different engine or lawn & garden equipment parts; B) a display identifying and explaining the functions of different special tools needed for small engine work; or C) a display illustrating and providing the results of any one of experiments that are included in the project book. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted.

Class 4611 – Maintenance Display - Display that illustrated either routine maintenance procedures or diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display.

Class 4612 – Operation Exhibit - Exhibit an operable small engine (no more than 20 horsepower) overhauled or rebuilt by the 4-H member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or re building the engine.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM SMALL ENGINES.

PREMIUMS: PURPLE \$2.25 / BLUE \$2.00 / RED \$1.50 / WHITE \$1.00

4-H UNCREWED AIRCRAFT SYSTEMS RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Uncrewed Aircraft Systems project to exhibit in this division.
- Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
- Each exhibitor may enter one exhibit per class. Exhibits must have been completed during the current 4-H year.
- 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 down loaded from <http://uas.engtech4ks.com/> Any UAS exhibit not including this completed envelope will receive an automatic participant ribbon. All revisions of forms previously released for the division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
- Each exhibit MUST include a video of the youth following their instructions for operation. This allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit. The video should be no longer than 8 minutes and should be placed on should be placed on a USB drive or micro/SD card or, if desired, uploaded to YouTube as an unlisted video and a link to that video included in a file titled "Video Link" or printed on a separate sheet of paper. These videos may also be considered for inclusion in running video loop in the Engineering & Technology area at the state fair after review by judges, superintendents, and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the Engineering & Technology area at the State Fair.
- Uncrewed Aerial Systems that include or depict weaponry of any kind will be disqualified.
- For scratch built UAS kits, if modifications are made to the exhibit a page should be attached

noting those modifications.

- If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a participation ribbon.
- For practical application entries, the UAS is not required to be displayed as part of the exhibit, only the supporting material.
- The same UAS may be used by multiple exhibitors for different practical application entries.

UNCREWED AIRCRAFT SYSTEMS CLASSES

Junior Division (ages 7-13)

Class 5701 – Uncrewed Aerial System designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.

Class 5702 – Practical application of an Uncrewed Aerial System constructed from a commercial (purchased) kit. This includes one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non- agricultural UAS uses that would be appropriate for this class.

Senior Division (14 and older)

Class 5706 – Uncrewed Aerial Systems designed and constructed by exhibitor that is operated by a remote-controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.

Class 5707 – Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM EACH UAS AGE **PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75**

4-H VETERINARY SCIENCE RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Veterinary Science project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- A Veterinary Science exhibit may consist of a poster, notebook or project display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
- If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves and other appropriate veterinary medical practices.
- 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

VETERINARY SCIENCE CLASSES

Class 7000 – 4-H Veterinary Science Notebook

Class 7001 – 4-H Veterinary Science Poster

Class 7002 – 4-H Veterinary Science Project Display

4-H VISUAL ARTS

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

- 4-H members must be currently enrolled in the Kansas 4-H Visual Arts project to exhibit in this division.
- Attach completed 4-H label to all exhibits. **Hanging exhibits must have a wire or saw tooth hanger attached in order to be properly displayed.** Fine arts exhibits MUST have proper hangers will be lowered by one ribbon placing if rule is not followed.
- 4-H members may enter up to 6 exhibits per project area they are enrolled in.
- All visual arts exhibits are evaluated using a visual arts rubric, which takes into account correct use of design elements, craftsmanship, and creativity.

VISUAL ARTS CLASSES

Fine Arts

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

***Class 400A** – Fine Arts: Beginner (ages 7-8)

Class 400B – Fine Arts: Junior (ages 9-11)

Class 400C – Fine Arts: Intermediate (ages 12-13)

Class 400D – Fine Arts: Senior (ages 14 and older)

Clay and Ceramics

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

***Class 401A** – Clay and Ceramics: Beginner (ages 7-8)

Class 401B – Clay and Ceramics: Junior (ages 9-11)

Class 401C – Clay and Ceramics: Intermediate (ages 12-13)

Class 401D – Clay and Ceramics: Senior (ages 14 and older)

General Crafts

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

***Class 402A** – Crafts: Beginner (ages 7-8)

Class 402B – Crafts: Junior (ages 9-11)

Class 402C – Crafts: Intermediate (ages 12-13)

Class 402D – Crafts: Senior (ages 14 and older)

Leather and Jewelry

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

***Class 403A** – Leather and Jewelry Beginner (ages 7-8)

Class 403B – Leather and Jewelry: Junior (ages 9-11)

Class 403C – Leather and Jewelry: Intermediate (ages 12-13)

Class 403D – Leather and Jewelry: Senior (ages 14 and older)

Three-Dimensional

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

***Class 404A** – Three-Dimensional: Beginner (ages 7-8)

Class 404B – Three-Dimensional: Junior (ages 9-11)

Class 404C – Three-Dimensional: Intermediate (ages 12-13)

Class 404D – Three-Dimensional: Senior (ages 14 and older)

***CANNOT BE EXHIBITED AT THE KANSAS STATE FAIR**

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM FINE ARTS, CLAY & CERAMICS, GENERAL CRAFTS, LEATHER & JEWELRY, THREE-DIMENSIONAL, THE GRAND CHAMPIONS WILL BE STATE QUALIFIERS AND MUST ADHERE TO STATE FAIR RULES (IE. COPYRIGHT, 9+ YEARS OF AGE).

JUDGE MAY SELECT HONORABLE MENTION FROM EACH CLASS

PREMIUMS: PURPLE \$1.50 / BLUE \$1.25/ RED \$1.00 / WHITE \$0.75

4-H WILDLIFE RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Wildlife project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Posters must be no larger than 22"x28". Displays must be on a commercial standard 3'x4' tri-fold display board.
- Name, county, age and year in project should be in a prominent location on the exhibit.
- Care should be taken to select durable materials that will withstand fair conditions.
- 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.

WILDLIFE CLASSES

Class 5400 – Notebook: contents pertain to some phase, results, story, or information about wildlife project.

Class 5401 – Promotional Poster: must be related to something learned in the wildlife project. (Flat poster board or foam board no larger than 22" x 28").

4-H WOOD WORKING RULES

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

- 4-H members must be currently enrolled in the Kansas 4-H Wood Working project to exhibit in this division.
- All exhibits must be tagged or labeled according to specific 4-H project rules.
- Limited to 3 exhibits in each class and not more than 4 total exhibits in wood science. (Exception In addition to 4 exhibits, members may exhibit up to one of each common joints listed in class

180)

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

WOODWORKING CLASSES

Class 5402 – Educational Display: must be directly related to the wildlife project. Maximum tri-fold size is 3'x 4'.

Class 5403 – Fish Harvesting Equipment - (SF168) - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, when or where each item is used.

Class 5404 – Build a Fishing Rod - (SF169) - A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board. Include with the exhibit: Explanation of cost of materials/components and how many number of hours required for construction. Label all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts, information, and neatness.

Class 5405 – Casting Target - (SF170) - Make a casting target for exhibit and use.

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

Class 5406 – Wildlife Harvesting Equipment - (SF171) - Board Exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed; the purpose of each item, when or where it is used and personal experiences with the item.

Class 5407 – Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory - (SF168) - Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype, and any adjustments you made.

Class 5408 – Tanned Hides - (SF172) - Exhibit of a wild animal hide properly processed by the member. If not

mounted, must be in a clear clothing bag with hanger. al field experiences, study, OR observations that relate to the exhibit.

Class 5409 – Taxidermy - (SF172) - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting. Include the animal's name and the following: information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

Class 5410 – Wildlife Tracks - (SF158) - Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. - Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) - Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR) - Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

Class 5411 – Wildlife Knowledge Check - (SF159) - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches.

Class 5412 – Houses - (SF165) - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations from experiences.

Class 5413 – Feeders/Waterers - (SF166) - Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where are how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences.

JUDGE MAY SELECT 1 CHAMPION AND 1 RESERVE CHAMPION FROM WILDLIFE
PREMIUMS: PURPLE \$1.50 / BLUE \$1.25 / RED \$1.00 / WHITE \$0.75

OPEN CLASS

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Schedule

Thursday, July 10, 2025	
8:00 AM	Open Class Foods
Saturday, July 12, 2025	
11:00 AM	Floriculture, Horticulture Check In

OPEN CLASS RULES

Please read carefully

All entries **MUST** be pre-entered with the Extension Office at the Fairgrounds on Thursday, from 7:30-8:00 AM EXCEPT Horticulture/Floriculture and Foods which **MUST** be checked in with the Extension Office at the Fairgrounds from 7:30-8:00 AM on Friday.

YOUR ITEMS WILL BE JUDGED IN THE CLASS YOU ENTER IT INTO.

IT IS YOUR RESPONSIBILITY TO CHOOSE THE CORRECT CLASS.

- Limit of 5 entries per division. NO EXCEPTIONS.
- All entries must have been completed, grown, produced or made within the last year. No article may be entered after having been previously entered in the fair.
- All entries are judged based on standard for age group entered.
- A judge, at his/her discretion, may withhold any or all prize money if an article, or animal, in her/her judgement is not worthy of award. In classes where there is no competition, the first prize will be awarded if deemed worthy by the judge.
- **Awardssubject to sponsorship availability.**
- The Tri-County Fair Board, its Sponsors, Volunteers, etc. assumes no responsibility for lost, stolen, damaged, or misdirected entries, including accidents involving entries.
- The Open Class competition will use the **Danish System of Judging**. The champion and reserve champion receive prize money if deemed worthy by the judge. Unless otherwise noted within the class, the awards will be as follows:

Divisions: Crafts, Fine Arts Legos/Lego Kits and Photography.

AGE GROUPS being defined as:

(Y) Youth, 12 years of age and under

(JR) Junior, 13-17 years of age

(A) Adult, age 18 and older

(PW) PeeWee age group, (5 and under) is exclusive to Crafts, Fine Arts and Lego only.

Judging will take place on Monday or Wednesday depending on Class. (Check Open Class schedule for times).

Prize money will be paid out at **8:00-9:00 am on Saturday**. Prize money not picked up by 9:00 am on Saturday will be forfeited. No exceptions.

OPEN CLASS 10: AGRICULTURE EDUCATION - FFA

- Exhibits to be from FFA and Ag Ed programs within Tri-County.
- Exhibits of farm machinery and labor saving devices should be labeled as to school, builder, approximate cost and time spent on construction or repair.
- Farm machinery displays will be non-competitive.
- Exhibits should be in place by Monday at 8:00 PM.

OPEN CLASS 20: CRAFTS

- All entries must be ready to hang (if applicable).
- Judging/Award placement for the Crafts Division will be determined by age group. The classes for Crafts are as follows:

Class 20PW: Pee Wee: Age 5 and under

Class 20Y: Youth: 6-12 years of age

Class 20JR: Junior: 13-17 years of age

Class 20A: Adult: age 18 and older

OPEN CLASS 21: PROFESSIONAL CRAFTS

***Professional being defined as selling or making a profit in exchange for a product or service.**

- All entries must be ready to hang (if applicable) and covered with plastic.
- Awards for Professional Crafts will be the same as Crafts with the exception that there are no age divisions.

OPEN CLASS 30 - 39: FARM HORTICULTURE

- Exhibitors must grow all Kansas products during current season.
- Entries must be displayed on a heavy duty disposable plate.

Class 30: FIELD GRAIN CROPS

Items to be displayed as follows:

- Wheat & Oats must be displayed in a clear 1-quart jar with lid Corn & Popcorn must be displayed as 4 ears

Class 31: SORGHUM CROPS

- Display as 4 heads

Class 32: HAY/ FORAGE

- Display an 8 - 10" slice in a clear, plastic bag

Class 33: OILSEED CROPS

- Items to be displayed as follows: Sunflowers should be displayed as 1 head Soybeans & Cotton display as 1 whole plant

Class 34: LARGE GRAIN COLLECTION

- Must consist of 5 or more kinds

Class 35: HONEY

- Must be displayed in clear jar with lid

Class 36: WHEAT MARKET SHOW

- Kernels must be displayed in a clear 1-quart jar with a lid, sheaf of 18" long stems

Class 37: VEGETABLES

Items to be displayed as follows:

- Five (5) per heavy duty disposable plate or cardboard box: Potatoes, Onions, Cucumbers, Beets, Beans, Turnips, Parsnips, Okra, Tomatoes and Carrots
- Five (5) per heavy duty disposable plate: Peppers
- One (1) per heavy duty disposable plate: Cabbage, Broccoli, Eggplants One (1) per heavy duty disposable plate: Squash

Class 38: FRUITS

Items to be displayed as follows:

- Ten (10) per heavy duty disposable plate: Apricots, Cherries
- Five (5) per heavy duty disposable plate: Rhubarb, Apples, Peaches, Pears Pumpkin - any size
- Pumpkin - 1 ornamental Watermelon - 1 any variety Cantaloupe - 1 any variety Other fruit

Class 39: LARGE GARDEN DISPLAY IN ABASKET

- Must display 5 or more kinds of vegetables or fruits decoratively in a basket.

OPEN CLASS 40: FINE ARTS

- No artwork allowed on lined paper
- ALL fine arts entries MUST be displayed in a frame or risk being disqualified.
- Judging/Award placement for the Fine Arts Division will be determined by age group. The classes for Fine Arts are as follows:

OPEN CLASS 50-53: FOODS

- Recipes must be included with entries outside of the wrapped product with tape, string, or twist tie.
- All baked entries must be in a clear plastic bag.

Class 40PW: Pee Wee: Age 5 and under

Class 40Y: Youth: 6-12 years of age

Class 40JR: Junior: 13-17 years of age

Class 40A: Adult: age 18 and older

Breads—Any Kind (Class 50)

- Rolls must consist of 3 displayed on plate
- No buttered tops
- Only sparingly drizzled frostings (NO CREAM CHEESE)

Class 50PW: Pee Wee: Age 5 and under

Class 50Y: Youth: 6-12 years of age

Class 50JR: Junior: 13-17 years of age

Class 50A: Adult: age 18 and older

Cookies/Brownies/Bars (Class 51)

- Must be displayed 3 per plate (NO CREAM CHEESE)

Class 51PW: Pee Wee: Age 5 and under

Class 51Y: Youth: 6-12 years of age

Class 51JR: Junior: 13-17 years of age

Class 51A: Adult: age 18 and older

Baked Goods (Class 52)

- Cakes must be whole, but any size (NO CREAM CHEESE)
- Decorated cakes must be on Styrofoam block
- Cupcakes must be displayed 3 per plate
- Whole Pies on heavy duty plate/tin pan
- No commercial mixes

Class 52PW: Pee Wee: Age 5 and under

Class 52Y: Youth: 6-12 years of age

Class 52JR: Junior: 13-17 years of age

Class 52A: Adult: age 18 and older

Preserved Foods (Class 53)

- Includes: Vegetables, Fruits, Jellies, Jams, Preserves, Pickled, Dehydrated Foods, Meats Jars must be standard for canning (jelly, pint, quart)
- Water bath method for processing recommended
- Jar ring should be loosened and cleaned
- Jar and lid must be same brand.

Class 53PW: Pee Wee: Age 5 and under

Class 53Y: Youth: 6-12 years of age

Class 53JR: Junior: 13-17 years of age

Class 53A: Adult: age 18 and older

OPEN CLASS 60: LEGOS

- All entries must be securely mounted to a base
- Maximum size of base is limited to two square feet
- All entries must consist entirely of Legos
- Judging/Award placement for the Legos Division will be determined by age group. The classes for Legos are as follows:

Class 60PW: Pee Wee: Age 5 and under

Class 60Y: Youth: 6-12 years of age

Class 60JR: Junior: 13-17 years of age

Class 60A: Adult: age 18 and older

OPEN CLASS 70-71: NURSING HOME ENTRIES

- Entries may be independent or in a group.
- All entries must be ready to hang (if applicable) and covered with plastic.

Class 70: Group Entry

Class 71: Individual Entry

OPEN CLASS 80: PHOTOGRAPHY

- Entries MUST be an ORIGINAL photograph taken by exhibitor.
- Photos must be no larger than 8"x10" and no smaller than 5"x7" after white border is removed and trimming done.
- **Photos must be mounted across the narrow (11") dimension of an 11"x12.5" studio mount board, which are available for purchase from the extension office.** Mount on the smoothest, whitest side of the board using adhesives designed for permanent photography mounting. The top of the photo must be 1" below the top of the board, with equal distance on the sides. Mounting board is always oriented narrow side up.
- To protect exhibit from dust and moisture, photos must be placed in a clear flap seal bag available from the extension office or in a 2 gallon plastic zip-style bag. DO NOT seal the bag. Leave unsealed or use a short piece of masking tape.
- No lettering or dates are permitted on the front of the mount or on the photo. No underlays or borders are to be used. No contact prints on front of mount. All photos must be mounted properly.
- Photographs must be result of this year's work.
- Photographs taken with a digital camera and having no more adjustments than exposure, color intensity and correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes.
- Digital images that have had objects added or removed, multiple filter effects applied or black &

white and color combined will result in disqualification.

- Judging/Award placement for the Photography Division will be determined by the age group. The age divisions for Photography are as follows:

Class 80Y: Youth: 6-12 years of age

Class 80JR: Junior: 13-17 years of age

Class 80A: Adult: age 18 and older

OPEN CLASS 81: PROFESSIONAL PHOTOGRAPHY

*Professional: Defined as selling or making a profit in exchange for a product or service.

- Please follow above stated rules for Photography to display photos.
- Awards for Professional Photography will be the same as Photography with the exception that there are no age divisions.

OPEN CLASS 90-94: POULTRY AND PIGEONS

- Uniform wire cages will be furnished for confinement and display.
- All entries must be watered and fed during the duration of the fair.
- List Breed Classification for all entries. Variety of Pigeon required also.

FOR POULTRY

- All poultry, except waterfowl, must show proof that they are free of pullorum typhoid at time of cooping. Other general health rules are in effect.
- Entries must be single birds, except for breeding pens, which must be one male and two females of same size.
- Fowl not recognized by the American Poultry Assn. will not be considered for awards. Latest Standard of Perfection will be used for judging.

Class 90: Chickens

Class 90A: Male or Female one year or over: Cock or Hen

Class 90B: Male or Female less than one year old: Cockerel or Pullet

Class 90C: Old Trio: A cock and two hens

Class 90D: Young Trio: A cockerel and two pullets

Class 91: Turkeys

Class 91A: Male or Female one year or over: Old Tom or Old Hen

Class 91B: Male or Female less than one year old: Young Tom or Young Hen

Class 92: Geese

Class 92A: Male or Female one year or over: Old Gander or Old Goose

Class 92B: Male or Female less than one year old: Young Gander or Young Goose

Class 93: Ducks

Class 93A: Male or Female one year or over: Old Drake or Old Duck

Class 93B: Male or Female less than one year old: Young Drake or Young Duck

Class 93C: Male Bird Hatched prior to July in previous year: Cock or Cockerel

Class 93D: Female Bird Hatched prior to July in previous year: Hen or Pullet

Class 93E: Breeding Pen: Young or Old

Class 93F: Other: Other Poultry

FOR PIGEONS

- Follow the above rules #1, #2 and #3 in this division.
- All birds must be leg banded with seamless metal bands of recognized clubs or associations, and the number of such band recorded on the entry form.
- Judging based on the rules of the National Pigeon Association and the latest standards.

Class 94: Pigeons

Class 94A: Male or Female Hatched prior to January 1 of this year: Old Cock or Old Hen

Class 94B: Male or Female Hatched after Jan. 1 of this year: Young Cock or Young Hen

OPEN CLASS 110: RABBITS

- All entries must be watered and fed during the duration of fair.
- List Breed Classification for all entries.
- Must be permanently tattooed in the left ear with the tattoo number listed on the entry form.
- All entries must single rabbits, except for meat pens, which must be three rabbits of the same breed; same variety.
- Rabbits entered in meat pen classes may not be entered in any other class.
- Judging will be based on classes, weight schedules, and breed specifications as outlined in the current ARBA Book of Standards.

Class 110: Rabbits

Class 110A: Under 6 Months of Age: Junior Doe or Junior Buck

Class 110B: 8 Months of Age: Senior Doe or Senior Buck

Class 110C: 6-8 Month Class Breeds: Doe or Buck

Class 110D: Three Under 3 Months: Meat Pen—3 to 5lbs each

OPEN CLASS 120: TEXTILES

- Entries must be covered with clear plastic.

Class 120: Hand Work

Items to be displayed as follows:

- Two (2) Pillowcases or placemats
- Three (3) Tea Towels
- Single entry for all other items

Class 121: Clothing

- Wearing apparel must be secured on hangers and in a clear plastic bag.
- Garments may be size infant, child, or adult & any style.

Class 122: Yarn Work

- Knit, crochet or macramé

OPEN CLASS 140-147: FLORICULTURE

- All Floriculture exhibits must be grown by exhibitor, except for dried arrangements. House plants must have been cared for by the exhibitor for at least 6 months, except for terrariums.
- Single stem flowers should be in a small vase, or bottle with no label.
- Potted plants are not accepted for class 140 – 143.
- The publication “Preparing Cut Flowers For Exhibit” is available at

FLORICULTURE

Class 140 – Annual Garden Flower, cut specimen, single stem

Class 141 – Perennial Garden Flower, cut specimen, single stem

Class 142 – Fresh Flower Arrangement – flower materials must be grown and/or collected by exhibitor, not purchased

Class 143 – Dried Flower Arrangement – no fabric or plastic material allowed

Class 144 – Houseplant

Class 145 – Terrarium

Class 146 – Cactus Garden (at least 5 different cacti arranged in a planter or container)

Class 147 – Preserved or Artificial Arrangement