

FRONTIER EXTENSION DISTRICT

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PARKING AT THE FAIR

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

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

4-H GENERAL RULES

Entry Requirements

1. ALL 4-H EXHIBITORS MUST BE FRANKLIN COUNTY 4-H MEMBERS.
2. Out of county 4-H members can exhibit in open classes.
3. All articles and animals must be entered with the superintendents of the various departments in the name of the owner.
4. No animal or article will be entered in more than one department or compete for more than one premium.
5. Age is determined by 4-H age (January 1, 2020).

Entries

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

Premiums and Awards

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

Explanation of Ribbon System

1. All 4-H Departments are judged on the DANISH System.
2. All exhibits receive a ribbon and are judged in comparison with an ideal standard. They are not judged against each other.
3. Exhibits are placed in four ribbon groups. PURPLE – outstanding on all standards. BLUE – exceeds the minimum standard, may have minor flaws where improvement can be made. RED – meets all minimum standards, may be visible signs of needed improvements. WHITE – fails to meet minimum standards.

ACCESSIBILITY INFORMATION: K-State Research and Extension & 4-H Youth Development are committed to making their services, activities and programs accessible to all participants. If you have special requirements because of physical, mental, learning, vision, hearing or other impairment, please contact Fran Richmond at the Frontier Extension District Office at 785-828-4438.

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

Kansas State Fair Exhibitors

In 2009, the rules changed so that 9 year old 4-H members (as of January 1 current year) could exhibit at the Kansas State Fair in nearly all divisions (exception – Fashion Revue participants must be 14). All youth who qualify and want to participate in the State Fair must pre-enter by the deadline date. See your newsletter or call the Extension Office for more information about qualifying, pre-entering and entering exhibits for the Kansas State Fair.

GENERAL LIVESTOCK RULES

1. Youth livestock show exhibitors will be limited to regularly enrolled 4-H members of Franklin County.
2. Livestock that has been previously shown at a county fair outside of Franklin County may not be exhibited. This includes both market and breeding divisions.
3. All horse pre-entry forms and Virtual Livestock Premium Sale forms are due in the Extension Office by **Monday, June 29.**
4. Exhibitors are limited to four market and four breeding animals per species.
5. No premium will be awarded to animals not listed in this premium list.
6. No animal deemed unworthy will be awarded a premium. In the case of only one entry per class, only one award will be awarded and shall be at the judge's discretion.
7. No premium money is paid on showmanship classes. (Ribbons only)
8. All livestock will be checked according to the list of health rules and regulations.
9. No animals are allowed on the fairgrounds before **the designated time for that species** without permission of the fair superintendent.
10. **No Early Arrivals on livestock entry/show days.**
11. All livestock must be removed from the fairgrounds **immediately after the show except sale animals.**
12. All animals must have an ear tag for identification. Market animals must have an official 4-H tag and have been nominated at spring weigh-in.
13. 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member.
14. All 4-H members are expected to wear appropriate dress while exhibiting in the show ring and at the market sale. Appropriate dress is referred to as a shirt or blouse with a collar, jeans or slacks and boots or laced up shoes. 4-H Club shirts are also acceptable. Those not meeting this requirement will be removed from the show or sale.
15. Beef and Dairy grooming chutes must be kept outside of the barn. Driveways must be kept open for fire precautions. If the superintendent asks you to move your equipment, it will be because of safety reasons. Please do so in a friendly and timely manner.
16. Exhibitor must show their own animal.
17. Due to liability all animals must remain on the fairgrounds once entry has been entered. This means all animals must remain west of the rails-to-trails path. Violations of this rule must be witnessed by a superintendent, extension agent or fair board member and validated violation will cause all monetary awards to be withheld and parents will be contacted immediately. 4-H members should make note those leaving the fairgrounds prior to animal release will result in disqualification and be sent home immediately.

18. Due to Homeland Security stipulations, no vehicles or livestock trailers can be parked between the rails-to-trails and the armory yard fence. Violators could be towed at their own expense.
19. No hoses are to be left strung out in the swine barn; all must be rolled up after each use. All electric cords need to be off the ground. The aisle needs to be kept cleared at all times.
20. No generators allowed within 150 feet of the show arena.
21. Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

UNLOADING AND PARKING AT THE FAIR

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

LIVESTOCK HEALTH REQUIREMENTS

GENERAL REQUIREMENTS:

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

CATTLE REQUIREMENTS:

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

SWINE REQUIREMENTS:

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

SHEEP REQUIREMENTS:

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

GOAT REQUIREMENTS:

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

HORSE REQUIREMENTS:

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

POULTRY REQUIREMENTS:

All chickens and turkeys must be blood tested within 90 days of show. For more information about the blood testing requirements, consult "Information about Disease Testing Requirements for Poultry and Game Birds in Kansas" by Scott Beyer, available from your local Extension Office.

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

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

ANIMAL ETHICS

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

4-H MARKET SALE

1. Each 4-H market animal exhibitor may sell only one (1) animal. Those animals must have been tagged with the official 4-H tag. Minimum weights to be eligible for the sale are as follows:
Steers – 1050 lbs., Lambs – 100 lbs., Meat Goats – 50 lbs., and Hogs – 210 lbs.,
2. Livestock Sale order for this year will be Steers, Lambs, Goats and Hogs
3. Exhibitors wishing to enter the Livestock Sale must fill out a sale entry card by 8:00 p.m. on Thursday. Sale entry fees will be as follows: Steers - \$7.00, Lambs - \$5.00, Meat Goats - \$5.00 and Hogs - \$5.00. All sale entry fees will be withheld from sale proceeds.
4. All Livestock Sale entries remain under the care and ownership of the exhibitor until loaded on the floor price bidders truck. The Fair Board assumes no responsibility for any livestock injury or loss.
5. No glitter, paint or other decorations allowed on sale animals.
6. Ear tags are to remain in all sale livestock. Payment will not be issued on livestock with official 4-H tag removed.
7. The livestock sale will be done in a virtual fashion on **Saturday, July 18**. Only Market sale livestock will be allowed to remain on the fairgrounds after each show. All other livestock will leave. There will be no additional animals shipped from the Market Sale this year.

DIVISION: 4-H BEEF CATTLE

Superintendents: Scott Hatfield, Darcy Hahn and Justin Webb

Entry and Weigh-In Time: Saturday, July 18, 6:30 – 8:30 a.m.

Judging Time: Saturday, July 18, 9:00 a.m.

Release Time: Immediately after the show except sale animals.

Special Awards will be given during the show:

Champion Angus Female – Plaque, sponsored by Wasmund Farms

Champion Red Angus Female – Trophy, sponsored by Cottonwood Animal Hospital

Champion Gelbvieh Female – Plaque, sponsored by Franklin County Conservation District

Champion Hereford Female – Plaque, sponsored by Jo Ellen Arnold

Champion Registered Hereford Female – \$50.00 & Banner, sponsored by Scott & Melissa Hatfield

Champion Limousin Female – Trophy, sponsored by Love Brothers Limousin

Champion Shorthorn Female – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Simmental Female – Plaque, sponsored by Franklin County Conservation District

Champion AOB Female – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Crossbred Female – Plaque, sponsored by Franklin County KLA

Grand Champion Heifer – Belt Buckle, sponsored by Judd Ranch

Grand Champion Female – Trophy, sponsored by Orscheln Farm & Home

Reserve Champion Female – Trophy, sponsored by Judd Ranch

Champion Senior Beef Showmanship – \$25.00, sponsored by Barbara & John Netherland

Reserve Champion Senior Beef Showmanship – Plaque, sponsored by Dunbar Farms

Champion Intermediate Beef Showmanship – Trophy, sponsored by Judd Ranch

Reserve Champion Intermediate Beef Showmanship – Plaque, sponsored by Dunbar Farms

Champion Junior Beef Showmanship – Plaque, sponsored by Franklin County 4-H Development Fund
in Honor of Bob & Carole Bozworth

Reserve Champion Junior Beef Showmanship – Plaque, sponsored by Dunbar Farms

Champion Beginner Beef Showmanship – Plaque, sponsored by Franklin County 4-H Development
Fund in Honor of Bob & Carole Bozworth

Reserve Champion Beginner Beef Showmanship – Plaque, sponsored by Cottonwood Animal Hospital

Champion Angus Steer – Trophy, sponsored by Campbell Farm Meats/Aaron Campbell

Champion Red Angus Steer – Trophy, sponsored by Cottonwood Animal Hospital

Champion Charolais Steer – Trophy, sponsored by Hat Creek Ranch, Jim, Lori, Ruby & Wyatt Hamilton

Champion Chianina Steer – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Hereford Steer – \$100.00 & Banner, sponsored by Scott & Melissa Hatfield

Champion Limousin Steer – Trophy, sponsored by Jo Ellen Arnold

Champion Maintainer Steer – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Shorthorn Steer – Trophy, sponsored by Scott Mesik-Longarm Services

Champion Simmental Steer – Trophy, sponsored by Dan & Diana Kay

Champion AOB Steer – Plaque, sponsored by Longarm Services – Longarm Cattle Company

Champion Crossbred Market Steer – Plaque, sponsored by Shadeland Stock Farm,
Beauchamp & Carlson Families

Grand Champion Market Steer – Belt Buckle, Anipro Xtraformance Minerals, Robert Miller

Grand Champion Market Steer – Trophy, sponsored by Franklin County Farm Bureau Association

Grand Champion Market Steer (if Crossbred) – \$15.00, sponsored by Shadeland Stock Farm,
Beauchamp & Carlson Families

Reserve Champion Market Steer – Trophy, sponsored by Kansas State Bank

3rd Overall Market Beef - \$10.00, In Memory of Louise Wray & Junior Campbell, Given by Jack & Avis Wray

Beef Rate-of-Gain, 1st – Plaque, sponsored by Gatewood Angus Farm

Beef Rate-of-Gain, 2nd – Plaque, sponsored by Gatewood Angus Farm

Best Pen of 3 Steers, 1st – \$10.00, sponsored by KanEquip

Best Pen of 3 Steers, 2nd – \$5.00, sponsored by KanEquip

Franklin County Born Champion - \$100.00, sponsored by Larry & Lori Brockus

Franklin County Born Reserve Champion - \$50.00, sponsored by Dunbar Farms

1. Market Steers and Breeding Heifers must be registered to be shown in the purebred classes. Original registration or transfer papers for steers and heifers must have been established in the name of the exhibitor by May 1 of the current year. Animals may be co-registered by two (2) or more youth in the same family but cannot be registered in a farm name or include the name of the adults. The individual tattoo number of the animal must match the tattoo on the registration papers. All steers and heifers without registration papers will show in the Crossbred class. Papers must be presented at fair check-in. These rules are in conjunction with the Kansas State Fair.
2. **The Steer and Heifer Show will be a no-fit show, “Blow & Show”.** **“No Fit” is defined as using no adhesive, glue, paint or powder products.** 4-H members are encouraged to groom their own livestock. During the fair, only the immediate family or legal guardians, or other Franklin County 4-H members or their immediate families, may help an exhibitor with the grooming of their animals. Professional fitters or livestock consultants are strictly prohibited from assisting 4-H members on the fairgrounds. Violation of this rule may or will lead to total disqualification of the exhibitor from the show and the ability to sell the livestock in the premium sale. Anyone wishing to report a violation of this rule shall report to the livestock superintendent or a fair board member.
3. Breeding females must be entered with the superintendent. Pre-entry **does not** mean animal is entered in the appropriate class. Pre-entry only holds a place for the animal in the barn.
4. **Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.**

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

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

- 107 Beginner Showmanship - Ages 7-8
- 108 Junior Showmanship - Ages 9-11
- 109 Intermediate Showmanship – Ages 12-14
- 110 Senior Showmanship – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

BEEF SHOW ORDER:

Heifers – shown in alphabetical order by breed with Crossbred last, youngest to oldest

Steers - shown in alphabetical order by breed and weight with Crossbred last, youngest to oldest

Showmanship – Senior, Intermediate, Junior, Beginner

DIVISION: 4-H BUCKET CALF

Superintendent: Darcy Hahn

Entry Time: Friday, July 17, Noon

Interviews: Friday, July 17, 12:30 p.m. at Hayward Arena

Show Time: Friday, July 17, 1:00 p.m.

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Bucket Calf, 7-9 yr. old – Trophy, sponsored by the Brad Shoemaker Family

Reserve Champion Bucket Calf, 7-9 yr. old – Trophy, sponsored by the Brad Shoemaker Family

Champion Bucket Calf, 10-12 yr. old – Trophy, sponsored by Mike & Billie Stowell

Reserve Champion Bucket Calf, 10-12 yr. old – Trophy, sponsored by the Brad Shoemaker Family

3rd Overall Bucket Calf - \$10.00, sponsored by Jack & Avis Wray, In Memory of Louise Wray
& Junior Campbell

1. Bucket calves must have been born January 1 – May 1 of this current year.
2. The 4-H member will have a conference with the judge. Bring a completed 4-H bucket calf sheet for the interview.
3. On show day, check with the superintendent for the show order and individual interview time.
4. At no time are bucket calves judged on conformation qualities.
5. A 4-H member may not show in the dairy and/or beef class the same year he/she shows a bucket calf.
6. A 4-H member may not show a bucket calf if they showed in the dairy and/or beef class the previous year.
7. Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

111 Ages 7-9

112 Ages 10-12

No premium money paid on any bucket calf classes.

BUCKET CALF SHOW ORDER:

Interviews – 4-H Members

4-H Members - Ages 7-9

4-H Members - Ages 10-12

DIVISION: 4-H DAIRY CATTLE

Superintendent: Hollie Showalter

Entry Time – Thursday, July 16, 2:30 p.m.

Judging Time: Thursday, July 16, 3:00 p.m.

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Beginner Dairy Cattle Showmanship – Trophy, sponsored by Linda Thurston

Champion Junior Dairy Cattle Showmanship – Trophy, sponsored by Linda Thurston

Champion Intermediate Dairy Cattle Showmanship – Plaque, sponsored by Friends of 4-H

Champion Senior Dairy Cattle Showmanship – Trophy, sponsored by Jo Ellen Arnold

Overall Champion Dairy Heifer – Rosette, Sponsored by Dee Shuck

Overall Reserve Champion Dairy Heifer – Rosette, sponsored by Dee Shuck

Grand Champion Dairy Female – Trophy, sponsored by Scott Mesik-Longarm Services

All dairy cattle, brought in the day of the show, are to be entered by **Thursday, July 16**. They will be stalled on the north outside area of the tie out pen. They will be released immediately upon conclusion of the dairy cattle show to return to milk production.

Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

Each 4-H member is limited to showing four dairy animals (No more than 2 per class).

120 Junior Heifer Calf – Born December 1 – April 30

121 Heifer Calf – Born September 1 – November 30

122 Yearling Heifer – Born March 1 – February 28

123 Cow Class

124 Daughter/Dam Class

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

125 Beginner Showmanship 7-8

126 Junior Showmanship – Ages 9-11

127 Intermediate Showmanship – Ages 12-14

128 Senior Showmanship – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

DAIRY CATTLE SHOW ORDER:

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

Holstein – youngest to oldest

Jersey – youngest to oldest

Showmanship – oldest to youngest, by age of youth

DIVISION: 4-H DAIRY GOATS

Superintendent: Hollie Showalter

Entry Time – Thursday, July 16, 2:30 p.m.

Judging Time: Thursday, July 16, 3:00 p.m.

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Beginner Showmanship – Plaque, sponsored by Friends of 4-H

Champion Junior Showmanship – Plaque, sponsored by Friends of 4-H

Champion Intermediate Showmanship – Plaque, sponsored by Friends of 4-H

Champion Senior Showmanship – Plaque, sponsored by Friends of 4-H

Grand Champion Dairy Goat – Plaque, sponsored by Friends of 4-H

Reserve Champion Dairy Goat – Plaque, sponsored by Friends of 4-H

1. Each 4-H member is limited to showing four dairy goats (no more than two per class).
2. Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.
3. All dairy goats, brought in the day of the show, are to be entered by **Thursday, July 16**. They will be stalled on the north outside area of the tie out pen. They will be released immediately upon conclusion of the dairy goat show to return to milk production.

129 Doe under 4 months of age

130 Doe 4 months and under 8 months

131 Doe 8 months and under 12 months

132 Doe 12 months and under 24 months (not in milk; or not previously fresh)

133 Doe 12 months and under 24 months (in milk or previously fresh)

134 Doe over two years of age

Ribbon Awards: Champion of All Breeds - Ribbon

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

135 Beginner Showmanship 7-8

136 Junior Showmanship – Ages 9-11

137 Intermediate Showmanship – Ages 12-14

138 Senior Showmanship – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

Be sure to designate breed on entry tag.

DAIRY GOATS SHOW ORDER:

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

Showmanship – oldest to youngest, by age of youth

DIVISION: 4-H MEAT GOATS

Superintendents: Malydia Payne

Entry Time: Thursday, July 16, 9:00 a.m.

Judging Time: Thursday, July 16, 10:00 a.m. or after the sheep show ends

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Senior Meat Goat Showmanship – Trophy & \$15.00, sponsored by Ken & Dawn Rumford

Reserve Champion Senior Meat Goat Showmanship – Rosette sponsored by Ogle Livestock,
Tammy & Craig Ogle

Champion Intermediate Meat Goat Showmanship – \$25.00, sponsored by John & Brenda Wray

Reserve Champion Intermediate Meat Goat Showmanship – Rosette, sponsored by Brad Shoemaker Family

Champion Junior Meat Goat Showmanship – \$25.00, sponsored by Amanda Wray

Reserve Champion Junior Meat Goat Showmanship – Rosette, sponsored by Brad Shoemaker Family

Champion Beginner Meat Goat Showmanship – Plaque & \$15.00, sponsored by Tim & Kris Horton

Reserve Champion Beginner Meat Goat Showmanship – Rosette sponsored by Ogle Livestock,
Tammy & Craig Ogle

Grand Champion Breeding Doe – Belt Buckle, sponsored by AHI Livestock

Reserve Champion Meat Goat Female – Plaque, sponsored by Campbell Farm Meats/Aaron Campbell

Grand Champion Meat Goat – Trophy, sponsored by Bank Midwest

Grand Champion Meat Goat – Belt Buckle, sponsored by KanEquip

Reserve Champion Meat Goat – Plaque, sponsored by Bank Midwest

3rd Overall Meat Goat – \$10.00, In Memory of Louise Wray & Junior Campbell, Given by Jack & Avis Wray

Champion Franklin County Born Meat Goat – Trophy sponsored by Friends of 4-H

Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

140 Market Meat Goat

141 Meat Goat Doe under 1 year of age

142 Meat Goat Doe 1 year and older

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

143 Beginner Showmanship – Ages 7-8

144 Junior Showmanship – Ages 9-11

145 Intermediate Showmanship – Ages 12-14

146 Senior Showmanship – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

MEAT GOAT SHOW ORDER:

Meat Goat Does – shown in alphabetical order by breed, youngest to oldest

Market Meat Goat - shown in alphabetical order by breed, youngest to oldest

Showmanship – oldest to youngest, by age of youth

DIVISION: 4-H SHEEP

Superintendents: Chris Cunningham and Jennifer Kimball

Entry Time: Thursday, July 16, 7:30 a.m.

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

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Senior Sheep Showmanship – Trophy, sponsored by Droddy Farms, Carrol & Imogene Droddy

Reserve Champion Senior Sheep Showmanship – Plaque, sponsored by Dean & Alexis Chambers

Champion Intermediate Sheep Showmanship – Trophy, sponsored by Franklin County Farm Bureau Association

Reserve Champion Intermediate Sheep Showmanship – Plaque, sponsored by Ted Van Horn

Champion Junior Sheep Showmanship – Trophy, sponsored by Gerald Shepherd

Reserve Champion Junior Sheep Showmanship – Plaque, sponsored by Chris & Michele Dunlap

Champion Beginner Sheep Showmanship – Plaque, sponsored by John & Rebecca McFarland

Reserve Champion Beginner Sheep Showmanship – Rosette, sponsored by Brad Shoemaker Family

Champion Hamp Market Lamb – Plaque, In Memory of John Compton

Champion Suffolk Market Lamb – Trophy, sponsored by Droddy Farms, Carol & Imogene Droddy

Champion Crossbred Market Lamb – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Grand Champion Market Lamb – Belt Buckle, sponsored by Brad & Amy Shoemaker and The
Cunningham Family, In Memory of William Cunningham

Grand Champion Market Lamb – \$25.00, sponsored by Van Horn Land & Cattle LLC

Reserve Champion Market Lamb – Trophy, sponsored by East Wilson Recycle

3rd Overall Market Lamb - \$10.00, sponsored by Jack & Avis Wray, In Memory of Louise Wray & Junior Campbell

Champion Hamp Ewe – Plaque, sponsored by Campbell Farm Meats/Aaron Campbell

Champion Suffolk Ewe – Plaque, In Memory of John Compton

Reserve Champion Suffolk Ewe – Plaque, sponsored by Jim Ed Compton

Champion Crossbred Ewe – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Grand Champion Breeding Ewe – Belt Buckle, sponsored by Brad Shoemaker Family

Grand Champion Ewe – Plaque, sponsored by Leonard & Linda Robbins

Reserve Champion Ewe – Rosette, sponsored by Brad Shoemaker Family

Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

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

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

- 154 Beginner Showmanship – Ages 7-8
- 155 Junior Showmanship – Ages 9-11
- 156 Intermediate Showmanship – Ages 12-14
- 157 Senior Showmanship – Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

SHEEP SHOW ORDER:

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

Breeding – shown in alphabetical order by breed with Crossbred last

Showmanship – oldest to youngest, by age of youth

DIVISION: 4-H SWINE

Superintendents: Doyle & Laurinda Sobba and Tristan Davis

Entry Time: Friday, July 17, 6:30 a.m. – 8:30 a.m.

Judging Time: Friday, July 17, 9:00 a.m.

Release Time: Immediately after the show.

Special Awards will be given during the show:

Champion Senior Swine Showmanship – \$50.00, sponsored by KanEquip

Reserve Champion Senior Swine Showmanship – Plaque, In Memory of Don Hobbs,
Given by the Hobbs Family

Champion Intermediate Swine Showmanship – \$50.00, sponsored by KanEquip

Reserve Champion Intermediate Swine Showmanship – Plaque, sponsored by Kevin Bowman

Champion Junior Swine Showmanship – \$50.00, sponsored by KanEquip

Reserve Champion Junior Swine Showmanship – Plaque, sponsored by Kevin Bowman

Champion Beginner Swine Showmanship – \$10.00, sponsored by Thad, Theron & Thane Combs

Reserve Champion Beginner Swine Showmanship – Trophy, sponsored by Droddy Farms,
Carrol & Imogene Droddy

Champion Duroc Gilt – Rosette, sponsored by Kevin Bowman

Champion Hamp Gilt – Trophy, sponsored by Santa Fe Trail Meats

Champion York Gilt – Trophy, In Memory of Ralph Ferguson

Champion AOB Gilt – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Crossbred Gilt – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Grand Champion Breeding Gilt – Belt Buckle, sponsored by Santa Fe Trail Meats

Grand Champion Gilt – Trophy, sponsored by Kevin Bowman

Reserve Champion Gilt – Plaque, sponsored by Debbie Chambers-Regier

Champion Duroc Market Hog – Rosette, sponsored by Kevin Bowman

Champion Hamp Market Hog – Plaque & \$5.00, sponsored by Campbell & Campbell Farms

Champion York Market Hog – Trophy, In Memory of Ralph Ferguson

Champion AOB Market Hog – Trophy, sponsored by Santa Fe Trail Meats

Champion Crossbred Market Hog – Trophy, sponsored by Bank Midwest

Grand Champion Market Hog – Belt Buckle, sponsored by Flory Swine Genetics

Grand Champion Market Hog – Trophy, sponsored by Kansas State Bank

Reserve Champion Market Hog – Trophy, sponsored by Franklin County Farm Bureau Association

3rd Overall Market Swine – \$10.00, In Memory of Louise Wray & Junior Campbell, Given by Jack & Avis Wray

Animals are not required to be bedded on wood shavings for the 2020 Fair. No fine saw dust, pellets, stall/trailer mats or straw will be allowed in the barn. All wood shavings and manure must be removed from the barns before families leave the fairgrounds. Stalls and pens must be checked by superintendent before leaving the fairgrounds.

Purebred Market Hogs and Breeding Gilts must have original registration or transfer papers in the name of the exhibitor by May1 of the current year. Animals may be co-registered by two (2) or more youth in the same family but cannot be registered in a farm name or include the name of the adults. The individual ear notch number of the animal must match the ear match on the registration papers. Any market hog or breeding gilt without registration papers will show in the Crossbred class. Papers must be presented at fair check-in. These rules are in conjunction with the Kansas State Fair.

160 Market Hog

161 Gilt, farrowed after Jan. 1st

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

162 Showmanship, Beginner Class, Ages 7-8

163 Showmanship, Junior Class, Ages 9-11

164 Showmanship, Intermediate Class, Ages 12-14

165 Showmanship, Senior Class, Ages 15-18

No premium money paid on Showmanship Classes – Ribbons only

Be sure to designate breed on entry tag.

SWINE SHOW ORDER:

Breeding – shown alphabetically by breed with Crossbred last

Market – shown alphabetically by breed with Crossbred last

Showmanship – oldest to youngest, by age of the youth

DIVISION: 4-H CATS

Superintendents: Dawn Rumford and Kaylyn Davis

Pre-Entry Deadline: Monday, June 29

Entry Time: Tuesday, July 14, 9:00 a.m. at the Swine barn

Judging Time: Tuesday, July 14, 9:15 a.m.

Special Awards will be given during the show:

Champion Cat – Trophy, sponsored by Shon & Jenny Yust

Reserve Champion Cat – Plaque, sponsored by Karen Martinez

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

170 Cats – 6 months & older

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H DOGS

Superintendent: Angie Cameron

Pre-Entry Deadline: Monday, June 29

Check In Time: Tuesday, July 14, 9:00 a.m., Hayward Arena

Show Time: Tuesday, July 14, 9:15 a.m., Hayward Arena

Special Awards will be given during the show:

Champion Beginner Dog Showmanship – Plaque, sponsored by Larry Thurston

Champion Junior Dog Showmanship – Trophy, sponsored by Ruff to Fluff Pet Salon, Brent & Emily Mathis

Champion Intermediate Dog Showmanship – Rosette, sponsored by Bob & LaDean Krueger

Champion Senior Dog Showmanship – Trophy, sponsored by Jo Ellen Arnold

Champion High Point 1st Year – Rosette, sponsored by Franklin County Conservation District

Dog Obedience – Pre Novice A – Trophy, sponsored by Ruff to Fluff Pet Salon, Brent & Emily Mathis

Champion Dog Obedience – Novice – Trophy, sponsored by Donna Arnaud

Champion Dog Obedience – Graduate Novice – Trophy, sponsored by Krueger Kennels

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

*** There will not be a dog show at the 2020 Kansas State Fair.**

Showmanship

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

175 Beginner, 7 – 8 years old

176 Junior, 9 – 11 years old

177 Intermediate, 12 – 14 years old

178 Senior, 15 and older

No premium money paid on Showmanship Classes – Ribbons only

Obedience

179 Pre-Novice

180 Novice

181 Graduate Novice

Rally Obedience

182 Level I – on leash

183 Level II

184 Level III

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

Premium Awards: Purple or Blue \$1.50 Red \$1.00 White \$0.50

DIVISION: 4-H HAND PETS

Superintendents: Dawn Rumford and Kaylyn Davis

Pre-Entry Deadline: Monday, June 29

Entry Time: Tuesday, July 14, 9:00 a.m. at the Swine barn

Judging Time: Tuesday, July 14, 9:15 a.m.

Special Awards will be given during the show:

Champion Hand Pet – Rosette, sponsored by Leonard & Linda Robbins

Reserve Champion Hand Pet – \$5.00, sponsored by Leonard & Linda Robbins

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

195 All Hand Pets

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H HORSES

Superintendents: Kathy Hinderliter

Pre-Entry Deadline: Monday, June 29

Entry Time: Sunday, July 19, 7:30 a.m. - THIS IS FOR ALL EVENTS INCLUDING RACES

Show Time: Sunday, July 19, 8:00 a.m.

Races: Sunday, July 19 - Races will begin immediately after the 4-H Horse Show

Special Awards will be given during the show.

Champion Beginner Horse Showmanship – Belt Buckle, Dean & Alexis Chambers

Champion Junior Horse Showmanship – Belt Buckle, Rocking R Cattle Co. – Caleb & Alisha Stroup

Champion Intermediate Horse Showmanship – Belt Buckle, New Horizon Ranch

Champion Senior Horse Showmanship – Belt Buckle, Brandon & Amy Livingston

Champion Beginner Horse Performance – Belt Buckle, Dean & Alexis Chambers

Champion Junior Horse Performance – Belt Buckle, Rocking R Cattle Co. – Caleb & Alisha Stroup

Champion Intermediate Horse Performance – Belt Buckle, In Memory of William Cunningham,
sponsored by C.S. Cunningham Construction

Champion Senior Horse Performance – Belt Buckle, Brandon & Amy Livingston

Champion Beginner Horse Racing – Belt Buckle, Dean & Alexis Chambers

Champion Junior Horse Racing – Belt Buckle, Rocking R Cattle Co. – Caleb & Alisha Stroup

Champion Intermediate Horse Racing – Belt Buckle, Jason & Betsy Hedges

Champion Senior Horse Racing – Belt Buckle, Brandon & Amy Livingston

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

1. All Horses must have health papers from the local veterinary and evidence of a negative Coggins conducted within twelve months of the show.
2. The Franklin County Horse project members will abide by the rules set for county events. These rules come from the following sources:
 - *Handbook for Kansas 4-H Horse Show Rule Book (Revised May 2018)
 - *Guidelines set up by the Frontier Extension District
3. A Rules Committee will be appointed to settle disputes.
4. Ownership of the horse will be as stated in the Handbook for Kansas 4-H Horse Show Rule Book.
5. All judges will be hired by the Extension Office. All judges' decisions are final.
6. 4-H dress code will be enforced for classes 200-228. Classes 229-232 must have boots, jeans, helmet, shirt with sleeves and a saddle.
7. Classes will be split by ages after pre-entries are turned in to the Extension Office. This will make class sizes more uniform and safer for children and horses. Ages are posted on actual entry form but they are subject to change.
8. Entry books will close when the first class begins. A pre-entry form will be available before the show and will be due back in the Extension Office by the date listed on the form. A 4-H member may not enter additional classes the day of the show but may drop classes, if necessary.
9. A 4-H member may exhibit ONLY one horse per class but may enter as many classes as they desire.
Halter: a 4-H member may enter any one horse only once in classes 200-208.

10. No unauthorized people are allowed in the crowd's nest or bookkeeping areas. If violated, premiums will be forfeited. This applies to youth and adults.
11. There will be High Point Awards for Junior, Intermediate and Senior Divisions in Performance and Races.
 - a. 4-H member must identify one horse which points will be kept on for the High Point award in each of the categories – performance and races.
 - b. Changes will be made, in case of emergency, on the day of the show, no later than check-in time that day (9:00 a.m.).
 - c. Halter division points will not be included in the total for the high point performance horse or the race horse as halter has its own awards.
12. High Point Rider points will be kept on the following system:

Top Purple – 6 points	Purple – 5 points	Top Blue – 4 points
Blue – 3 points	Red – 2 points	White – 1 point
13. A Miniature Horse is 34 inches and under in height.
14. A Pony is 56 inches and under in height or 14.2 hands.
15. Entry time for all entries, including the racing events, will start at 7:30 a.m. The show will start at 8:00 a.m. 4-H members must pre-enter in classes by **Monday, June 29**.
16. To be eligible to enter the State 4-H Horse Show at the Kansas State Fair, a 4-H member must be between the ages of 9 and 18 before January 1. The rider must have successfully met the requirements of all three sections of Achievement Level I. Showmanship and Halter Class participants must pass the first two sections of Achievement I plus Ground Work portion of skill test prior to their District qualifying 4-H Horse Show entry deadline.

HALTER CLASSES

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

Selection of Champion and Reserve Champion Halter Horse

- 209A Showmanship – Beginner – Ages 7-8
- 209B Showmanship – Junior – Ages 9-11
- 209C Showmanship – Intermediate – Ages 12-14
- 209D Showmanship – Senior – Ages 15-18

- 210 Horseless Horse Showmanship
- 211 Tandem Bareback Pleasure – all ages

RIDING CLASSES

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

- 215A Western Pleasure Stock Type – Beginner – Ages 7-8
- 215B Western Pleasure Stock Type – Junior – Ages 9-11
- 215C Western Pleasure Stock Type – Intermediate – Ages 12-14
- 215D Western Pleasure Stock Type – Senior – Ages 15-18

- 216A Western Pleasure Non Stock Type – Beginner – Ages 7-8
- 216B Western Pleasure Non Stock Type – Junior – Ages 9-11
- 216C Western Pleasure Non Stock Type – Intermediate – Ages 12-14
- 216D Western Pleasure Non Stock Type – Senior – Ages 15-18

- 217 Pleasure Pairs
- 218 Pony Western Pleasure
- 219 Mule Western Pleasure
- 220 Junior Horse Western Pleasure (horses 5 years and under)
- 221 Senior Horse Western Pleasure (horses 6 years and over)

- 222A Horsemanship – Beginner – Ages 7-8
- 222B Horsemanship – Junior – Ages 9-11
- 222C Horsemanship – Intermediate – Ages 12-14
- 222D Horsemanship – Senior – Ages 15-18

- 223A Ranch Horse Rail – Beginner – Ages 7-8
- 223B Ranch Horse Rail – Junior – Ages 9-11
- 223C Ranch Horse Rail – Intermediate – Ages 12-14
- 223D Ranch Horse Rail – Senior – Ages 15-18

- 224A Ranch Horse Pattern – Beginner – Ages 7-8
- 224B Ranch Horse Pattern – Junior – Ages 9-11
- 224C Ranch Horse Pattern – Intermediate – Ages 12-14
- 224D Ranch Horse Pattern – Senior – Ages 15-18

- 225A Trail – Beginner – Ages 7-8
- 225B Trail – Junior – Ages 9-11
- 225C Trail – Intermediate – Ages 12-14
- 225D Trail – Senior – Ages 15-18

226A Reining – Beginner – Ages 7-8
226B Reining – Junior – Ages 9-11
226C Reining – Intermediate – Ages 12-14
226D Reining – Senior – Ages 15-18

227 English Pleasure – All age levels
228 English Equitations – All age levels

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

RACE CLASSES

Barrels 229A – Beginner – ages 7-8
 229B – Junior – ages 9-11
 229C – Intermediate – ages 12-14
 229D – Senior – ages 15-18

Flags 230A – Beginner – ages 7-8
 230B – Junior – ages 9-11
 230C – Intermediate – ages 12-14
 230D – Senior – ages 15-18

Poles 231A – Beginner – ages 7-8
 231B – Junior – ages 9-11
 231C – Intermediate – ages 12-14
 231D – Senior – ages 15-18

Goat Tying 232A – Beginner – ages 7-8
 232B – Junior – ages 9-11
 232C – Intermediate – ages 12-14
 232D – Senior – ages 15-18

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

DIVISION: 4-H POULTRY

Superintendents: Lynnett Burroughs and Mark Lee

Pre-Entry Deadline: Monday, June 29

Cooping Time: Thursday, July 16, 7:00 a.m. – 9:00 a.m.

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

Release Time: Release Time: Immediately after the show.

Special Awards will be given at show.

Champion Large Fowl – Plaque, sponsored by Al Keefer

Reserve Champion Large Fowl – Plaque, sponsored by Friends of 4-H

Champion Poultry – Plaque, sponsored by Franklin County Conservation District

Reserve Champion Poultry – Plaque, sponsored by Bank Midwest

Champion Beginner Poultry Showmanship – Plaque, sponsored by Rafter JK Bar Cattle, Jacob & Kendra Guyett

Champion Junior Poultry Showmanship – Rosette, sponsored by Franklin County Conservation District

Champion Intermediate Poultry Showmanship – Rosette, sponsored by Franklin County Conservation Dist.

Champion Senior Poultry Showmanship – Rosette, sponsored by Franklin County Conservation District

Champion Bantam – Plaque, sponsored by Friends of 4-H

Reserve Champion Bantam – Plaque, sponsored by Friends of 4-H

1. All chickens and turkeys must be blood tested within 90 days of show. For more information about the blood testing requirements, consult "Information about Disease Testing Requirements for Poultry and Game Birds in Kansas" by Scott Beyer, available from your local Extension Office.
2. It is required that poultry be banded to insure proper identification.
3. Exhibitors are encouraged to carefully consider the welfare of poultry during transportation to and from shows. For helpful information, consult "Safely Transporting Poultry and Market Broilers" by Scott Beyer, available from your local Extension Office.
2. Entry will be made only in the phase of the poultry project in which the exhibitor is enrolled.
3. There will be a limit of 12 birds per exhibitor. There may be no more than 3 entries per class and a limit of 36 birds per family.
4. No one will be able to talk to the judge or be in the aisle while judging is in progress. These actions will cause exhibitor's birds to be disqualified.
5. The terms cock, cockerel, hen and pullet are defined as follows:
 - Cock: male bird hatched PRIOR to July, PREVIOUS year
 - Cockerel: male bird hatched AFTER July, PREVIOUS year
 - Hen: female bird hatched PRIOR to July, PREVIOUS year
 - Pullet: female bird hatched AFTER July, PREVIOUS year
6. All entry tags shall be COMPLETELY and LEGIBLY filled out for premium money to be paid.
7. All poultry entered must have been owned and in the possession of the 4-H member before May 1 of the current year (Exception: Broiler Class).
8. *There are no meat pens at the Kansas State Fair.

- 250 Cocks, Standard Breed, large fowl
 - 251 Cockerel, Standard Breed, large fowl
 - 252 Hen, Standard Breed, large fowl
 - 253 Pullet, Standard Breed, large fowl
 - 254 Cocks, Standard Breed, bantams
 - 255 Cockerels, Standard Breed, bantams
 - 256 Hen, Standard Breed, bantams
 - 257 Pullet, Standard Breed, bantams
 - 258 Production Pullets, pen of three, standard breed, crossbred, or strain cross. To be judged on development of egg production qualities only.
 - 259 Production Hens, pen of three, standard breed, crossbred, or strain cross. To be judged on egg production qualities only.
 - 260* Broiler, pen of three, standard breed, cross bred, or strain cross birds, of the same sex; weighing not over 5 pounds each and under 10 weeks of age
 - 261* Roasters, pen of three, standard breed, cross bred, or strain cross birds, of the same sex; weighing over 5 ½ pounds each and under 14 weeks of age
 - 262 Turkey, all breeds, one bird of either sex, any age
 - 263 Geese, all breeds, one bird of either sex, any age
 - 264 Ducks, all breeds, one bird of either sex, any age
- Premium Awards:** Purple and Blue \$1.00 Red \$0.75 White \$0.50

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

Showmanship Ages:

- 265 Beginner Class, Ages 7-8
- 266 Junior Class, Ages 9-11
- 267 Intermediate Class, Ages 12-14
- 268 Senior Class, Ages 15-18

DIVISION: CLOVERBUDS – NON-TRADITIONAL 4-H

Judging Time via Zoom: Tuesday, July 14, Noon – 1:00 p.m.

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

For five and six year old youth who have been in the 4-H Cloverbud program. Cloverbud members can enter two items they have made this year. All Cloverbud entries will receive a participation ribbon.

DIVISION: 4-H CLOTHING

Superintendents: Angelle Higbie and Linda Normile,

Check-in/Entry Time: Tuesday, July 7, 9:00 a.m. – 10:00 a.m. at **Celebration Hall**

Check-Out/Pick up: Tuesday, July 7, 1:00 p.m. - 2:00 p.m.

Special Awards will be given at pick-up.

Champion Clothing Construction, Ages 7-8 – \$10.00, sponsored by Phyllis Schamle Memorial

* Clothing Construction Positivity Award, Ages 7-8 – Trophy, sponsored by Ryan & Audra McCurdy Family

Champion Clothing Construction, Ages 9-11 – \$10.00, sponsored by Earl & Maridee Devore

* Clothing Construction Positivity Award, Ages 9-11 – Trophy, sponsored by Ryan & Audra McCurdy Family

Champion Clothing Construction, Ages 12-14 – \$10.00, sponsored by Merritta Combs

* Clothing Construction Positivity Award, Ages 12-14 – Rosette, In Memory of Anne Burnett,

Given by Angelle Higbie

Champion Clothing Construction, Ages 15-18 – \$10.00, sponsored by Earl & Maridee Devore

* Clothing Construction Positivity Award, Ages 15-18 – Trophy, In Memory of Anne Burnett,

Given by Angelle Higbie

Champion Female Buymanship, Ages 7-8 – Rosette, sponsored by the Brad Shoemaker Family

Champion Male Buymanship, Ages 7-8 – Rosette, sponsored by the Brad Shoemaker Family

Champion Female Buymanship, Ages 9-11 – Rosette, sponsored by the Brad Shoemaker Family

Champion Male Buymanship, Ages 9-11 – Rosette, sponsored by the Brad Shoemaker Family

Champion Female Buymanship, Ages 12-14 – Rosette, sponsored by the Brad Shoemaker Family

Champion Male Buymanship, Ages 12-14 – Rosette, sponsored by the Brad Shoemaker Family

Champion Female Buymanship, Ages 15-18 – Rosette, sponsored by the Brad Shoemaker Family

Champion Male Buymanship, Ages 15-18 – Rosette, sponsored by the Brad Shoemaker Family

Overall Clothing Exhibitor – Plaque, sponsored by Franklin County Farm Bureau Women

* Criteria for these four awards includes enthusiasm and individuality in project (not necessary to be class champion).

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All work exhibited must be the product of the 4-H member and done during the current 4-H year.
4. Articles, garments, outfits may have been used/worn but should be carefully laundered or cleaned before being exhibited. Items should be hung on swivel or wire hangers.
5. Labels: **LABEL EACH PIECE (Construction only)**
 - a. All garments must be labeled carefully
 - b. Must be type-written or written in ink on a 3" x 2 ½" piece of cloth, sewn to the back of neck, center back of waistband or left end of apron band
 - c. Must contain name, address, club, class and county
6. No care label will be required; however, the 4-H member should know how to care for the fabric/garment they purchased.
7. Members are allowed to compete in only the classes of the project in which they are enrolled and may make two entries per class.

8. Hang all garments, except straight stitched articles such as aprons, lingerie or lounging wear. Place on hanger opening to the left, as if you were wearing the garment. **Attach to hanger with safety pins and cover with plastic garment bag.**
9. For Construction Judging - Bring pattern guides and **Wardrobe Planning Packet**.
10. For Clothing Buymanship - 4-H members should bring their garment, one shoe and one sock; and **Wardrobe Planning Packet** to be judged.
11. The exhibitor is encouraged to attach an index card or photo, no larger than 4" x 6" with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.
12. Recycled Clothing Project – An item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. An index card no larger than 4" x 6" **MUST** accompany entry describing the recycled materials and how they were used in the item.
13. 4-H member must exhibit their project at the fair to receive their ribbon and premium money.
14. There is no class at the State Fair for Clothing Buymanship other than the Fashion Revue.
15. A Champion and Reserve Champion will be chosen for clothing based on the top quality garments in each of the four categories in clothing construction.
16. A Champion and Reserve Champion will be chosen in Clothing Buymanship in each of the four categories for both boys and girls.

An article, garment, or outfit constructed by a 7-8 year old exhibitor

- 300 Simple garment
- 301 Other articles (pillows, tote bags, etc.)
- 302 Clothing Buymanship – Female
- 303 Clothing Buymanship – Male
- 304 Recycled Clothing Project
- 305 Educational Exhibit - share with others what you learned in this 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.

An article, garment, or outfit constructed by a 9-11 year old exhibitor

- 306 Garment
- 307 Other article
- 308 Clothing Buymanship – Female
- 309 Clothing Buymanship – Male
- 310 Recycled Clothing Project
- 311 Educational Exhibit - share with others what you learned in this 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.

Exhibitors 7-11 year old

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

An article, garment, or outfit constructed by a 12-14 year old exhibitor

- 312 Garment
- 313 Other article
- 314 Clothing Buymanship – Female
- 315 Clothing Buymanship – Male
- 316 Recycled Clothing Project
- 317 Educational Exhibit - share with others what you learned in this 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.

An article, garment, or outfit constructed by a 15-18 year old exhibitor

- 318 Garment
- 319 Other article
- 320 Clothing Buymanship – Female
- 321 Clothing Buymanship – Male
- 322 Recycled Clothing Project
- 323 Educational Exhibit - share with others what you learned in this 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.

Exhibitors 12-18 year old

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

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

DIVISION: 4-H CROPS AND GARDEN

Superintendents: Chrystal Conner & Layne Lutz

Check-in/Entry Time: Monday, July 13, 1:00 p.m. – 2:00 p.m. at Celebration Hall

Check-Out/Pick up: Monday, July 13, 4:30 p.m. – 5:30 p.m.

Special Awards will be given at pick-up.

Best Slicing Cucumber – Trophy, sponsored by Fredricks Gardens, In Memory of Chester R. Fredricks

Best Plate of Snap Green Beans – Plaque & \$5.00, sponsored by Campbell & Campbell Farms

Best Plate of Onions – Trophy, sponsored by Franklin County Horticulture Growers Association

Best Plate of Peppers – Plaque & \$5.00, sponsored by Campbell & Campbell Farms

Best Plate of Potatoes – Plaque, sponsored by Freone Hollinger

Best Plate of Summer Fruit – Plaque, sponsored by Franklin County Horticulture Growers Association

Best Plate of Tomatoes – Trophy, sponsored by Fredricks Gardens, In Memory of Chet M. Fredricks

Best Watermelon – Plaque & \$5.00, sponsored by Campbell & Campbell Farms

Overall Garden Exhibitor – Plaque, sponsored by Kansas State Bank

Top 1st Year Garden Exhibitor – Plaque, sponsored by Brent Satterlee

Overall Crops Exhibitor – Plaque, sponsored by Duane & Pam Olson

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

CROPS

- 330 Wheat, one gallon
- 331 Oats, one gallon
- 332 Soybeans, one gallon; name variety
- 333 Brome grass seed, one gallon
- 334 Other tame grass seed, one gallon
- 335 Brome Hay, 6" slice
- 336 Alfalfa Hay, 6" slice
- 337 Yellow Corn, 10 ears
- 338 White Corn, 10 ears
- 339 Grain Sorghum, 10 heads
- 340 Hybrid Forage Sorghum, 5 stalks; name Hybrid (exhibit to consist of the whole plant - no roots)
- 341 Other Forage Sorghum, 5 stalks; name variety (exhibit to consist of the whole plant - no roots)
- 342 Soybeans, 5 stalks; name variety
- 343 Forage Corn, 5 stalks (exhibit to consist of the whole plant – no roots)
- 344 Popcorn, 10 ears

GARDEN VEGETABLES

- 345 Plate of 5 Standard Tomatoes
- 346 Plate of 5 Cherry or Ornamental Tomatoes
- 347 Plate of 5 Green Onions
- 348 Plate of 5 White Onions
- 349 Plate of 5 Yellow Onions
- 350 Plate of 5 Red Onions
- 351 Plate of 5 Table Beets
- 352 Plate of 5 Carrots
- 353 Plate of 5 Bell Peppers
- 354 Plate of 5 Other Peppers
- 355 Plate of 5 Okra
- 356 Plate of 5 Turnips
- 357 Plate of 5 Parsnips
- 358 Plate of 5 Miniature Pumpkins
- 359 Plate of 5 Decorative Gourds
- 360 Plate of 5 Red Potatoes
- 361 Plate of 5 White Potatoes
- 362 Plate of 5 Sweet Potatoes
- 363 Plate of 5 Cucumbers
- 364 Plate of 5 Ears of Sweet Corn
- 365 Plate of 5 Kohlrabi
- 366 Plate of 5 Radishes
- 367 Plate of 5 Other Medium Vegetables
- 368 Plate of 12 Snap Green Beans
- 369 Plate of 12 Yellow Wax Beans
- 370 1 Large Type Pumpkin
- 371 1 Summer Squash
- 372 1 Winter Squash
- 373 1 Cantaloupe
- 374 1 Eggplant
- 375 1 Head Cabbage
- 376 1 Watermelon
- 377 1 Head Broccoli
- 378 1 Head Cauliflower
- 379 1 Other Large Vegetable

- 380 Garden Display:**
Each exhibitor in this class will be limited to four square feet of space. **The Garden Display should be exhibited in a tray, basket or container that can easily be moved by the fair staff.** Exhibit consists of five different types of fresh vegetables or fruits. Canned products and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The number of five types of vegetables or fruits to be exhibited is as follows:
Large Vegetables (one each): Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Winter or Summer Squash, Watermelon, Broccoli or Cauliflower
Medium Vegetables (five each): Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Radishes, Sweet Potatoes, Tomatoes or other similar sized vegetables
Small Vegetables (twelve each): Snap Green Beans, Wax Beans, English Peas, or other similar sized vegetables
Small Fruits (one half pint box): Strawberries, Blackberries, Raspberries, or other similar sized fruits
Tree Fruits (five each): Apples, Pears, Peaches, or similar sized fruits
Grapes (two bunches)
- 381** Fresh Culinary Herbs (6): i.e. Parsley, Basil, Dill, etc. Six stems (or a comparable quantity) on one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.
- 382** Small Fruits (one half pint box) Strawberries, blackberries, raspberries, or other similar sized fruits. (if other, please include name of fruit on entry).
- 383** Tree Fruits (plate of 5) Apples, Pears, Peaches, or similar sized fruits
- 384** Grapes (2 bunches)
- 385** Horticulture Notebook – Entry shall consist of a notebook or three ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. Exhibitor is encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. Exhibitor may enter one horticulture notebook. Horticulture notebook scoring is based on the following criteria: Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) 20%, Narrative (including goals, successes, failures, etc.) 40%, General Content (subject matter, photos, maps, knowledge gained, etc.) 40%.

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H ENERGY MANAGEMENT

Superintendent: Gary Ross

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Overall Electricity Exhibitor – Plaque, sponsored by Franklin County Farm Bureau Association

Top 1st Year Electricity Exhibitor – Plaque, In Memory of Jerry Hobbs, Given by the Hobbs Family

1. An exhibitor may enter up to two articles in this division, but only one article per class.
2. Articles that have been in use should be cleaned for exhibit.
3. A sheet of operating instructions must be furnished for any exhibit that is not self-explanatory.
4. Projects (classes 390, 391 and 392) must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
5. Any project with a complexity of size or electronics must have (a) instructions for assembly and use and (b) equipment available at the time of judging for actual testing of the exhibit.
6. No hand dipped solder may be used on exhibits.
7. Each exhibit must have a scorecard completed and attached securely. This scorecard is available from the Extension Office.
8. A Champion and Reserve Champion will be chosen for Energy Management.

ELECTRICAL AND ELECTRONICS

- 390** AC Electric Projects - AC Electric Projects with 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances, extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240V exhibits are allowed, and must be constructed such that the judges have wiring access to examine the quality and safety of workmanship.
- 391** DC Electric Projects - DC Electric Projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered projects. Examples include the following: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbell switches. All DC electric projects must include batteries supplied by the 4-H member. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.
- 392** Electronic Projects - Electronic Projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include: radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/assembly manual if from a kit. Include plans if an original project. Projects must be constructed such that the judges have access to examine the quality of workmanship.

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

SMALL ENGINES

1. All exhibits should involve engines smaller than 20 horsepower for classes 394-396.
 2. Displays are limited to 4' wide and 4' deep – both upright and floor displays at the State Fair.
- 394** Display – Exhibit a display, selecting one of the following options:
1. A display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts.
 2. A display identifying and explaining the function(s) of different special tools needed for small engine work.
 3. A display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractor, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.
- 395** Maintenance – Exhibit a display that illustrates either
1. Routine maintenance procedures
 2. Diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display, using a maximum tri-fold size of 3' x 4'.
- 396** Operation – Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Maximum tri-fold size of 3' x 4'. Engine should contain no fuel in tank or carburetor.

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

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

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H ENTOMOLOGY

Superintendent: Julie Spielman

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Overall Entomology Exhibitor – Plaque, sponsored by Franklin County Farm Bureau Association

Overall Entomology Exhibitor, 2nd – Rosette, sponsored by Dave's Pest Control

Top 1st Year Entomology Exhibitor – Plaque, sponsored by Dave's Pest Control

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

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

COLLECTION CLASSES

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

9. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
10. Specimens of soft bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.
- 400 COUNTY FAIR CLASS FOR BEGINNERS – 4-H members 7-9 years of age or beginners of any age may enter in this phase for only two years. Display in two cigar boxes (lids removed and each box covered with a clear plastic wrap). Cigar boxes should be about 2" x 6" x 8". Display a minimum of 15 species but no more than 30 species. This should include a minimum of 6 orders. Labels for the insect orders are required and must be pinned to the bottom of the boxes. A date/locality label is required on each specimen. This label is centered on the pin beneath the insect. Locality refers to the county and state where collected. Date refers to the date the specimen was collected. Labels should be small and neat. ***State Fair does not offer this class.**
- 401 BEGINNING I ENTOMOLOGY COLLECTION - Display in one standard box a minimum of 50 and maximum of 125 species representing at least 7 orders. Follow the guidelines listed for Collections. A 4-H member can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.
- 402 BEGINNING II ENTOMOLOGY COLLECTION - Display in one standard box a minimum of 75 and maximum of 150 species representing at least 9 orders. Follow the general guidelines listed for Collections. A 4-H member can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.
- 403 INTERMEDIATE ENTOMOLOGY COLLECTION - Display a minimum of 100 and a maximum of 300 species representing at least 10 orders. Two standard boxes can be used. Follow the general guidelines listed for Collections. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging)
- a) "Insects in Kansas" book – Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera or
 - b) "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net – Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera.
- On a piece of paper list what you did to improve your collection during the current year. A 4H'er may move up if they receive a purple ribbon.
- 404 ADVANCED ENTOMOLOGY COLLECTION - Display a minimum of 150 and a maximum of 450 species representing at least 12 orders. Three standard boxes can be used. Follow the general guidelines listed for Collections. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. On a piece of paper list what you did to improve your collection during the current year. Examples: what insects did you add or replace; what orders and/or families you added; what Leadership you provided in this project; and/or what insects you have studied. Attach paper to the back of one of the display boxes. A 4-H member may continue to exhibit in this class at the Kansas State Fair for an unrestricted number of years as long as they remain eligible for 4-H membership.

NOTEBOOK CLASSES

1. Individual entries are to be placed for display in a three-ring notebook for competition.
 2. 4-Hers may choose to use one of two taxonomies:
 - a) As printed in "Insects in Kansas" book or
 - b) As printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net.
 3. 4-H'ers who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginning Phase of Entomology Notebooks, not the Introductory phase.
 4. 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'er is enrolled in and statement of taxonomy used:
 - a) "Insects in Kansas" book or
 - b) "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.netThe number of orders, specimens and families (required in Intermediate and Advanced classes) must also be included on the Title Page.
 5. Specimen pages should be grouped according to order and should include one page per species. If more than one insect is in the photo, an arrow to indicate identified insect should be used.
 6. Date, common name, full county name, state abbreviation and collector name should be included for each species. Collector's name on the specimen page is optional.
 7. Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
 8. A statement describing the habitat where found/host plant may be included and is encouraged and will be worth a bonus 10 points total, not per page. For Intermediate and Advanced notebooks, this is strongly encouraged.
 9. A divider page is to be placed in front of each order of insects with the order name printed on the tab for the page and also on the front of the divider page.
 10. For the Intermediate and Advanced Classes, insects are also to be grouped by family behind each order divider.
 11. 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.
 12. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.
 13. Refer to the publication "Entomology Collection Notebook Guidelines" on the Kansas 4-H Entomology web page for more detailed rules for exhibiting.
- 405** INTRODUCTIONARY ENTOMOLOGY NOTEBOOK - Display a minimum of 10 and a maximum of 30 insect species representing at least six different orders. Follow the general guidelines listed for Notebooks, including the Special Project. A 4-H member must be of minimum age to compete at the Kansas State Fair. A 4-H member may exhibit in this class for a maximum of two years.
- 406** BEGINNING ENTOMOLOGY NOTEBOOK - Display a minimum of 20 and a maximum of 60 insect species representing at least 7 different orders. Follow the general guidelines listed for all Notebooks, including the Special Project. Members can exhibit in this class a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

- 407 INTERMEDIATE ENTOMOLOGY NOTEBOOK - Display a minimum of 60 and a maximum of 100 species representing at least nine orders. Follow the general guidelines listed for Notebooks, including the Special Project. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging).
- a) "Insects in Kansas" book – Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or
 - b) "Insects in Kansas Book: 2016 Revised Taxonomy" which follows www.bugguide.net – Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera.
- Members may exhibit in this class for a maximum of three years. A 4-H member may move up if they receive a purple ribbon.
- 408 ADVANCED ENTOMOLOGY NOTEBOOK - Display a minimum of 100 and a maximum of 200 species representing at least 12 orders. Follow the general rules listed for Notebooks, including the Special Project. Follow the general guidelines listed for notebooks. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. A 4-H member may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.

EDUCATION DISPLAY CLASSES

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming Insects curriculum that does not fit into Entomology Collection or notebook classes.
 2. Follow copyright laws as explained in the General Rules.
 3. The exhibit may be, but isn't limited to, original works, digital presentations (must provide printed hardcopy for exhibit purposes for duration of fair), programs, websites, games, apps, display box, notebook, display or poster which you have made.
 4. If the exhibit is a wooden display box, it must be 18 x 24 x 3.5 inches with a clear plastic top (such as plexiglass) and displayed horizontally. If the exhibit is a poster, it must not be larger than 22" x 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board.
 5. Name and county/district must clearly be marked on educational exhibits.
- 409 BEGINNING EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Beginning I and II Collection or Beginning Notebook Classes. If only exhibiting in this category, then ages 9-12. Follow the general rules listed for the Educational Displays.
- 410 INTERMEDIATE EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Intermediate Collection or Intermediate Notebook Classes. If only exhibiting in this category, then ages 11-14. Follow the general rules listed for the Educational Displays.
- 411 ADVANCED EDUCATIONAL DISPLAY – Class for individuals that are exhibiting in the Advanced Collection or Advanced Notebook Classes. If only exhibiting in this category, then ages 13 or older. Follow the general rules listed for the Educational displays.

A Champion and Reserve Champion will be chosen for Entomology.

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H FIBER ARTS

Superintendent: Erika Perry and Michele Altendorf

Check-in/Entry Time: Tuesday, July 7, 9:00 a.m. – 10:00 a.m. at **Celebration Hall**

Check-Out/Pick up: Tuesday, July 7, 1:00 p.m. - 2:00 p.m.

Special Awards will be given at pick-up.

Champion Fiber Arts – Pair of Gingher Scissors, sponsored by Ottawa Sunflower Piecemakers Quilt Guild

Reserve Champion Fiber Arts – Pair of Gingher Scissors, sponsored by Ottawa Sunflower Piecemakers Quilt Guild

Top Quilted Piece – \$25.00, sponsored by Chris' Corner Quilt Shop

Top 1st Year Crochet Exhibitor – Rosette, sponsored by Guy & Mae's

Champion Needle Arts – Plaque, In Memory of Anne Burnett, Given by Angelle Higbie

Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving, crocheting, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting, embroidery or ethnic art). Ethnic Fiber Arts should use a fiber yarn or fabric to create the design exhibit. **Non-textile (examples include wood reed, straw, grass, etc.) baskets/pieces should be entered in the Visual Arts Division.**

Rules and Regulations specific to Fiber Arts projects:

1. Identification Label:
 - a. Type or print on a 3" x 2 ½" piece of cloth: class number, county, and exhibitor's name.
 - b. Sew or safety pin this ID label on the corner of the article.
 - c. For garments, attach the ID label to the front left shoulder seam, or left side of the waistband, as if you were wearing the garment.
2. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
3. Special consideration will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
4. The exhibitor should attach an index card, no larger than 4" x 6", with the entry form to give the judge any information on what parts of the exhibit they made, processes used, or other information which the exhibitor thinks would be helpful for the judge. For all items please indicate if item was made from a kit. For all items please indicate fiber content, and specifically if they are made of at least 90% wool. For quilted items indicate who did the quilting and binding.
5. Exhibitors are expected to be enrolled in the Fiber Arts project in which they are entered. When the exhibit is a sewn garment that also includes one or more Fiber Art techniques (i.e. knitting, crocheting, needle arts, or patchwork and quilting), the determination of what division (Clothing or Fiber Arts) and class in which to enter will be left with the 4-H participant.
6. State Fair qualification - For Fiber Arts, 4-H member must be 9 years of age or older and have received a purple ribbon on their exhibit.
7. A Champion and Reserve Champion will be chosen for Fiber Arts.

- 420 Crochet, an article including felted items (see rule #4)
- 421 Knitting, an article made either by hand or by knitting machine including felted items (see rule #4)
- 422 Needle Arts – an article made by hand using any of the following techniques:
- a) Embroidery and cross-stitch
 - b) Needlepoint
 - c) Candle wicking
 - d) Crewel
 - e) Lacework
 - f) Applique
- 423 Patchwork and Quilted article – It is acceptable for the 4-H member to create the patchwork or quilted article and have someone else quilt it.
- 424 Rug Making – acceptable techniques: braiding, latchhook, tying, floorcloth, etc. The finished product should be an item that would be an item used in the home.
- 425 Spinning – a skein – minimum 10 yards in length
- 426 Weaving, a woven article, attach information about type of loom or process used (see rule #4).
Woven wood reed basket, should be exhibited in Visual Arts.
- 427 Ethnic Arts, an article: This is defined as Fiber Art technique that is associated with a specific country or culture. It is a practical skill that was developed to provide basic family needs such as apparel, home furnishings or decoration. It is also defined as a method that has been maintained throughout history and passed on to others, often by observation and by example, such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Members should attach information on the history of the ethnic fiber art, where it was used, by whom, how it was used, short description of the technique, etc. (see rule #4).
- 428 Macramé – an article
- 429 Miscellaneous – Must not “fit” in any other Fiber Arts class
- 430 Fiber Arts Educational Notebook – Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the Fiber Art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about Fiber Arts. NOTE: A collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the notebook.

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H FLORICULTURE

Superintendent: Dawn Rumford and Janet Paddock

Check-in/Entry Time: Monday, July 13, 1:00 p.m. – 2:00 p.m. at Celebration Hall

Check-Out/Pick up: Monday, July 13, 4:30 p.m. – 5:30 p.m.

Special Awards will be given at pick-up.

Best Cockscomb – Trophy, sponsored by Chester & Sheryl Fredricks, In Memory of Genevieve Fredricks

Best Dahlia – Rosette, sponsored by Rock Creek of Ottawa

Best Gladiolus – Plaque, sponsored by Freone Hollinger

Best Zinnia – Rosette, sponsored by Rock Creek of Ottawa

Best Rose – Rosette, sponsored by Rock Creek of Ottawa

Best Specimen – Rosette, sponsored by Guy & Mae's

Best Arrangement – Rosette, sponsored by Guy & Mae's

Top 1st Year Flower Exhibitor – Rosette, sponsored by Linda & Leonard Robbins

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All floral materials must be grown and/or collected by the exhibitor. Do not use purchased plant materials.
4. Potted plants are not accepted.
5. Exhibitor allowed one (1) entry per class for specimens.
6. Entries should not take over one square foot of table space.
7. It is recommended that flowers and arrangements be in disposable containers. Containers that are not claimed at check-out will be disposed of.
8. All entries must be freestanding, easily moved, and not require any special equipment to display. Hanging entries are not accepted.
9. A Champion and Reserve Champion will be selected in specimens and arrangements.
10. Information about exhibiting flowers can be found online in the publication "Preparing Cut Flowers for Exhibit", available at <http://www.bookstore.ksre.ksu.edu/pubs/4H826.pdf>.

SPECIMEN

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

- | | |
|-----|--------------------------------|
| 440 | Aster |
| 441 | Celosia, Plume |
| 442 | Cockscomb |
| 443 | Dahlia, 2" or less |
| 444 | Dahlia, 2" or more |
| 445 | Daisies |
| 446 | Gladiolus |
| 447 | Helianthus, (1) stem, any type |
| 448 | Hemerallis (any lily) |
| 449 | Marigold, dwarf (2" or less) |

- 450 Marigold, large (2" or more)
- 451 Rose, miniature
- 452 Rose, tea
- 453 Zinnias, small (2" or less)
- 454 Zinnias, large (2" or more)
- 455 Annual (any not listed)
- 456 Perennial (any not listed)

COLLECTIONS (3 stems or spikes)

- 457 Gladioli, mixed
- 458 Marigolds, dwarf (2" or less)
- 459 Marigolds, large (2" or more)
- 460 Petunias, any type
- 461 Zinnias, dwarf (2" or less)
- 462 Zinnias, large (2" or more)

HOUSE PLANTS

- 463 Flowering House Plant
- 464 Non-Flowering House Plant

ARRANGEMENTS

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

- 465 Fresh Flower Arrangement. Flower materials must be grown and/or collected by exhibitor, not purchased
- 466 Dried Flower Arrangement. No fabric or plastic material allowed
- 467 Horticulture Notebook. Entry shall consist of a notebook or three ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. 4-H members are encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. Exhibitor may enter on one horticulture notebook. Horticulture notebook scoring is based on the following criteria: Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) 20%, Narrative (including goals, successes, failures, etc.) 40%, General Content (subject matter, photos, maps, knowledge gained, etc.) 40%.

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

Premium Awards: Purple or Blue \$1.00 Red \$0.50 White \$0.25

DIVISION: 4-H FOOD PRESERVATION

Superintendents: Kara West, Cindi Dryden,
Kristie Stinebaugh and Karla Face

Check-in/Entry Time: Monday, July 13, 9:00 a.m. – 10:00 a.m. at Celebration Hall

Check-Out/Pick up: Monday, July 13, 1:00 p.m. – 2:00 p.m.

Special Awards will be given at pick-up.

Champion Food Preservation – \$5.00, In Memory of Louise Wray, sponsored by Jackie Stephens

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped a ribbon placing.
3. All exhibits must have been preserved since the member's previous year's county fair, and not have been exhibited at the previous State Fair.
4. Recipes and processing methods from the sources below are recommended. Recipes must be from 1995-Present AND MUST BE ADJUSTED FOR ALTITUDE based on your processing location, or it will be disqualified. Processing methods that will be disqualified include: open kettle canning, oven canning, sun canning and using electric multi-cookers. For more information on electric multi-cookers, see https://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html. Untested recipes will be disqualified for food safety reasons. Tested recipe resources include:
 - K-State Research and Extension Food Preservation publications
 - Other University Extension Food Preservation publications
 - USDA Complete Guide to Home Canning
 - So Easy to Preserve, 6th Edition, The University of Georgia Cooperative Extension Service
 - Ball Blue Book Guide to Preserving
 - Ball Complete Book of Home Preserving
 - All New Ball Book of Canning and Preserving
 - Canning mixes (i.e. Mrs. Wage's, Ball)
 - Pectin manufacturers (i.e. SureJell, Ball)
 - <http://www.rrc.k-state.edu/preservation/recipes.html>

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

4H712 Food Safety Recommendations for Food Preservation Exhibits

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

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

MF3171 Sassy Safe Salsa at Home

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

MF3172 What's Your Elevation?

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

MF3241 How to Guide to Water Bath Canning and Steam Canning

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

MF3242 How to Guide to Pressure Canning

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

5. Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and not judged.

6. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be disqualified. Recipe must include exhibitor name, recipe source, date of publication and altitude of where food was processed. If using Mrs. Wage's or Ball mixes, indicate the date the mix was purchased.
7. Exhibits must be sealed in clean, clear standard canning jars, with matching brand (ex: use Ball lids on Ball jars, or Kerr lids on Kerr jars, etc.) two piece lids. **Do not use colored jars.** Do not add fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex: Pickled asparagus). Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe. Note: There are 12-ounce and 24-ounce canning jars available and may be used. Use pint jar process recommendations for 12 ounce jars. Use quart jar process recommendations for 24-ounce and 28-ounce jars.
8. Each jar exhibited must be labeled. The label must not cover the brand name of jar. The label must give: Class Number, Product, Altitude of Residence, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), and date processed including month, year and Name and County/District. Templates to make adhesive labels can be found at: <http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/index.html>.
9. Each 4-H member may enter up to two exhibits but only one entry per class.
10. Attach the entry tag and recipe (hole punch) to the top of the jar using a rubber band.
11. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 - 1/2 cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature! Dried products must include the recipe, preparation steps and heating instructions. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found in "Dry Meat Safely at Home" at: <https://www.bookstore.ksre.ksu.edu/pubs/MF3173.pdf>
12. A Champion and Reserve Champion will be selected from all entries in the division.

- 470 Sweet Spreads (Fruit and/or Vegetables), Syrups; one jar
- 471 Fruits, Juices, Fruit Mixtures (Salsa, Pie Filling, etc.); one jar
- 472 Low Acid Vegetables (green beans, corn, vegetable mixture or etc.); one jar
- 473 Pickles (Fruit or Vegetable), Fermented Foods, Relishes and Chutney; one jar
- 474 Tomato/Tomato Products, Tomato Juice and Tomato Salsas; one jar
- 475 Canned Meats; one jar
- 476 Dried Foods; one small jar

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H FOODS AND NUTRITION

Superintendents: Kara West, Cindi Dryden,
Kristie Stinebaugh and Karla Face

Check-in/Entry Time: Monday, July 13, 9:00 a.m. – 10:00 a.m. at Celebration Hall

Check-Out/Pick up: Monday, July 13, 1:00 p.m. – 2:00 p.m.

Special Awards will be given at pick-up.

Overall Foods Exhibitor, Ages 7-8 – Rosette, sponsored by Nadia Piotrowsky

Overall Foods Exhibitor, Ages 9-11 – Rosette, sponsored by Nadia Piotrowsky

Overall Foods Exhibitor, Ages 12-14 – Rosette, sponsored by Nadia Piotrowsky

Overall Foods Exhibitor, Ages 15-18 – Rosette, sponsored by Nadia Piotrowsky

Overall Foods Exhibitor – Plaque, sponsored by Orscheln Farm & Home

Best Yeast Product, Age 14 & under – One year subscription to cooking magazine of winner's choice,
sponsored by Pat Campbell

Best Loaf of Yeast Bread, 15-18 (75% Whole Grain, No Bread Machines) – One year subscription to
cooking magazine of winner's choice, sponsored by Pat Campbell

Champion Wheat Product – USA Baking Pan, sponsored by The Kansas Wheat Commission

1. Entries must be made from scratch. No mixes are allowed in any products.
2. For food safety purposes, any food with custard and dairy-based fillings and frostings (ex. Cream cheese) raw eggs, flavored oils, "canned" bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration (ex. bacon) or unbaked exhibit with raw flour (ex. No-Bake Cookies) will be disqualified and not judged. Refer to K-State Research and Extension publication, 4-H888, Judge's Guide for Food and Nutrition Exhibits, for information to help you make informed, safe food exhibit decisions.
3. Alcohol (ex: wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not be judged.
4. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe. Exhibit 3 cookies, 3 muffins, 3 bread sticks, 1 loaf bread, etc.
5. Under baked entries will be lowered one or more ribbon placings.
6. Entries that do not comply with class rules will be dropped a ribbon placing.
7. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
8. A 4-H member may enter a maximum of two baked products and one educational display or Food Gift Package item in each Level of Foods in which they are enrolled.
9. Complete recipes are required for all food product exhibits with ingredients and instructions.
10. For this division, quick breads do not contain yeast.
11. 4-H members are encouraged to use whole grain flours, fruits, nuts, etc.
12. All entries must be removed from the pan with the exception of a fruit pie. Each entry must be placed on paper plate and in a clear plastic food grade bag. Entries too large to place on a paper plate must be placed on a covered cardboard or disposable container of appropriate size for the exhibit. Only the exhibit is judged. The container is not judged.
13. All unfrosted cakes should be exhibited in an upright position with top crust showing, except for those cakes made with special designs such as Bundt cakes. They should have the top crust side down.

14. A food gift package must contain at least 3 different items, (**prepared for human consumption**) made by the 4-H member, in a suitable container no larger than 18" x 18" x 18". Prepared food items must have recipes attached with entry. Additional homemade food items beyond the 3 minimum or purchased items may also be included in the gift basket. **No alcoholic beverages will be accepted.** Food products will not be opened or tasted. It is recommended for packaging to allow all or part of the product to be seen; for example, if displayed in a paper or fabric bag, cut a view hole and place product in a plastic bag inside the paper or fabric bag. This entry will count as a non-perishable food product, not as an educational exhibit. Home canned foods must follow Food Preservation rules. Canning jars should not be used for baking per manufacturer's instructions. They could break during baking. On the back of the entry form, answer the following questions:
- What is the intended use?
 - What food safety precautions were taken during and after preparation?
15. Educational classes: Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" x 28". If the exhibit is a display; maximum size is a 3' x 4' tri-fold display board. Name and county or district must be clearly marked on educational exhibits. The educational exhibit evaluation form will be provided at judging time. **NOTE:** A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.
16. A Champion and Reserve Champion will be selected from each of the four Food and Nutrition categories, as well as the Food Gift Package Class.

4-H Members – Age 7-8

- 480 Non-perishable food product
481 Food Gift Package or Educational Exhibit

4-H Members – Age 9-11

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

4-H Members – Age 12-14

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

4-H Members – Age 15-18

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

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H FORESTRY

Superintendent: Julie Spielman

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Champion Forestry – Rosette, In Memory of Dusty Reichard

Top 1st Year Forestry Exhibitor – Rosette, In Memory of Dusty Reichard

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

KNOWING TREES AS INDIVIDUALS (LEAF COLLECTIONS**)

510 Beginning Forestry Collection (Choose either A or B)

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

511 Intermediate Forestry Collection (Choose either A or B)

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

512 Senior Forestry Collection (Choose either A or B)

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

513 Advanced Forestry Collection (Choose either A or B)

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

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

HOW A TREE GROWS

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

TREE APPRECIATION

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

GROWING AND PROTECTING TREES

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

TREE CULTURE

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

HOW FORESTS SERVE US

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

EDUCATIONAL / CREATIVE EXHIBIT

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

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H GEOLOGY and LAPIDARY

Superintendent: Julie Spielman

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Grand Champion Geology – \$50.00, Jim & Julia Kice

Reserve Grand Champion Geology – Plaque, In Memory of Dusty Reichard

Top 1st Year Geology Exhibitor – Plaque, sponsored by Killough Construction

Overall Geology Exhibitor – Trophy, sponsored by Killough Construction

1. Consultation judging with the judge is optional.
2. Exhibit box should be 18 x 24 x 3 ½ inches. Plexiglass covers are required. Boxes with glass covers WILL NOT be accepted. All specimens are to be arranged across the narrow (18 inch) dimension of the exhibit box, making the exhibit 18 inches across the top and 24 inches deep exactly. If a box has a sliding plexiglass cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes 527-531 only, the dimensions of the box should be appropriate for the display, but should not exceed 18" x 24" x 3 1/2 ".
3. Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper-left hand corner of the Plexiglass cover (inside-use clear double-sided tape to adhere gummed labels), and by attaching a label with the same information on the lower right corner of the box (outside).
4. Exhibitor may enter in both Geology and Lapidary classes. Exhibitors may show in only one of the first four geology classes (521-524). Exhibitor may also show in geology class 525 (special exhibit), 526 Mineralogy and in one Lapidary class.
5. Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
6. For the Geology Classes 521, 522, 523 & 524, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words "phylum, class, genus" on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrell Limestone Member, not just Phylum: Brachiopoda Class; Articulata Genus; Composita).
7. For Geology Classes 521, 522, 523, 524 & 526, all specimens must be collected (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from the following three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.
8. Exhibitors may have a consultation review with the judge after the judging is completed.
9. In order to be eligible for the State Fair, an exhibitor must be 9 years old (4-H age) and have received a purple ribbon on their exhibit at the county fair. The exhibit must qualify in Class 521 to be eligible for the State Fair.
10. A Champion and Reserve Champion will be selected for Geology.

***Rule change for the 2020 4-H year only: In light of being unable to host the geology field trip and circumstances related to specimen collection, the 4-H Geology Action team has modified the collection rules for the 2020 Kansas State Fair. The number of specimens that must be collected during the current 4-H year has been amended from: Fifteen (15) specimens to Five (5) specimens. Classes 521, 522, 523 and 524 have been changed.**

- 520 **Cigar Box Geology:** For Beginners: 4-H member 7-9 years old or beginners of any age may exhibit in this phase for only 2 yrs. Display in 2 cigar boxes or boxes of similar size (12 x 8 x 2 inches). They need to be covered with a clear plastic. Lids need to be removed. At least 10 specimens must be exhibited. No more than 15 may be in the collection. Rocks and minerals must be identified with the specimens name and fossils must be identified to the phylum level.
This class is not eligible for State Fair
- 521 **Geology:** Display at least 5 different rocks, minerals, and fossils collected during the current 4-H year. Exhibitor is limited to one exhibit box. Only those exhibiting at the County or State Fair for the first time may enter this class.
- 522 **Geology:** Display at least 30 different rocks, minerals, or fossils, at least 5 of each. **Five must be collected during the current 4-H year.** Exhibit is limited to one exhibit box. This class is open to those exhibiting either first or second time at the County or State Fair.
- 523 **Geology:** Display at least 45 rocks, minerals, or fossils, at least 5 of each. **Five must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the County or State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- 524 **Geology:** Display at least 60 different rocks, minerals, or fossils, at least 5 of each. **Five must be collected during the current year.** Exhibit limited to two boxes. This class is open to those exhibiting the fifth time or more at the County or State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- 525 **Geology Educational Exhibit:** Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. Exhibit limited to 4 feet of table space. **Care should be taken to use durable materials that will withstand Fair conditions.** Exhibits in this class must be pre-entered. Exhibitor may show in the class regardless of the number of times he/she has entered at the County or State Fair or whether exhibitor has entries in classes 521, 522, 523 or 524. Exhibitor may also exhibit in lapidary class.
- 526 **Mineralogy:** Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (i.e. Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #2). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (i.e. CaCO₃ for calcite), if known.
- 527 **Fossils:** Display a minimum of 15 mineral specimens collected in Kansas, at least 5 which have been collected during the current 4-H year. The fossils are to be grouped by Phylum and Class, and at least 3 phyla must be represented (Brachiopoda, Chordata, Mollusca, etc.) The member must use one standard display box (see #2). The specimens must be labeled with the number of the specimen; date collected; county where collected; formation, member, or source; phylum, class, and genus or part; and geologic age (Cretaceous, Permian, Pennsylvanian, etc.) See #6 for additional fossil labeling expectations.

LAPIDARY CLASSES

The lapidary will be judged on the following criteria:

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

All lapidary specimens should be labeled with the following information:

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

- 528 **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.
- 529 **Lapidary:** Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-H member collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year.
- 530 **Lapidary:** Display before-and-after examples of at least 6 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least two varieties should be collected from the native site by the 4-H member, at least one of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- 531 **Lapidary:** Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H member, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- 532 **Lapidary:** Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least 3 cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

Special lapidary exhibits should be entered in class 532. Please note that each member is limited to one entry in this class.

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

Premium Awards: Purple and Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H HOME ENVIRONMENT

Superintendent: Cheryl Conner

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

1. Any exhibitor removing exhibits prior to release time will forfeit all premium money.
2. Entries that do not comply with class rules will be dropped one ribbon placing.
3. A member may enter one exhibit in the division.
4. A summary including plans, explanation of how the item was made or refinished, and how it fits into the color and design of the room. Summary could also include 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 exhibit.
5. Projects with missing or insufficient summary will be lowered one ribbon placing (i.e. a blue ribbon exhibit will receive a red ribbon).
6. 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.
7. Entries will be entered and judged in the Miscellaneous Division.
8. A Champion and Reserve Champion will be selected for Home Environment.
9. An entry card must be attached to the exhibit with safety pin(s) or tape and string.

535 Single Exhibit: An article (furniture, fixtures, interior or exterior, etc.) made or refinished by the 4-H member for the home. Must include attached summary.

536 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 plans for a room. Must include attached summary.

537 Notebook: Notebooks may include floor plans, swatches, colors, stories, photographs, and project records which 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. *Additional summary is not required for Notebook exhibits.*

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H MISCELLANEOUS / SELF-DETERMINED

Superintendent: Cheryl Conner

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Overall Self-Determined Exhibitor – Rosette, sponsored by Linda Thurston

1. All 4-H exhibits, not otherwise classified, will be allowed to show under this division. This does NOT include live animals.
2. Each 4-H member will be limited to two entries in Miscellaneous Division.
3. 4-H members may exhibit items or visuals pertaining to the project in which they are enrolled.
4. Exhibitors should avoid using copyrighted and/or trademarked materials whenever possible by originating his/her own work. Copyrighted and/or trademarked materials used in displays, posters or other activities for endorsement or promotion, instead of educational purposes, will be lowered a ribbon placing.
5. A Champion and Reserve Champion will be selected for Miscellaneous/Self-Determined.

540 Notebooks

541 Posters

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

SELF-DETERMINED

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

543 Self-Determined

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

Premium Awards: Purple and Blue \$0.75 Red \$0.50 White \$0.25

DIVISION: MR. and MISS 4-H
Superintendent: Janae McNally

Application and Essays Due: Monday, June 29

Interview & Judging Time: July 7, 9:00 a.m. at the Franklin County Extension office

Miss 4-H – Plaque, sponsored by Cottonwood Animal Hospital

Mr. 4-H – Plaque, sponsored by Cottonwood Animal Hospital

MR. AND MISS 4-H APPLICATION

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

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

CLUB LEVEL PARTICIPATION

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

COUNTY LEVEL PARTICIPATION

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

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

CLUB/COUNTY LEVEL

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

STATE OR NATIONAL PARTICIPATION

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

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

DIVISION: 4-H PHOTOGRAPHY

Superintendents: Cheryl Conner, Brenda Wray, Sarah Starrett,
Traci Pearce, Alane Ecord and Alisha Stroup

Entry Time: Tuesday, July 14, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Tuesday, July 14, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

***Favorite Tourism Attraction Photo Taken in Franklin County** – \$20.00, sponsored by Franklin County
Visitors Center

Top 1st Year Photography Exhibitor – \$10.00, sponsored by Chris & Michele Dunlap

Overall Photography Exhibitor, 1st – Rosette & \$10.00, sponsored by the Ayers Family

Overall Photography Exhibitor, 2nd – Plaque, In Memory of Joan Istas

Overall Photography Exhibitor, 3rd – Plaque, sponsored by Leonard & Linda Robbins

***Special Recognition:** The photo selected for the Favorite Tourism Attraction Photo Taken in Franklin County Award will be displayed for one year in the Franklin County Commission Chambers. The selected photo will be returned at the conclusion of the next year's fair.

FOR STATE FAIR – Only pictures that receive a purple are eligible for State Fair. Only members who are 9 years of age but not yet 19 years of age before January 1 of the current year are eligible to enter at the State Fair. Exhibitors, first through seventh year in photography project, may enter one (only) photo print per exhibitor. Exhibitors in their eighth (plus) year in the photography project may enter two prints as long as the prints are in different classes, for a total of two entries per exhibitor.

All photos are required to be in a photo bag for judging and displaying.

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

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

10. On the back of the mount, write; the exhibitor's name, address, photo class, location where the photography was taken and the Extension Unit (county/district). If in a district, please use full district name and add county name.
 11. Improperly mounted photos, oversized or undersized photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
 12. 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.
 13. Digital Composite Image: Finished photo must be created from two or more original images photographed by exhibitor. HDR photos do not qualify for this class. Photos will be judged on photographic merit, as well as, manipulation technique and process.
 14. The black and white class is for black and white prints only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class.
 15. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the Fair.
 16. Photos with live subject(s) on railroad right away or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and will be **disqualified and not judged**.
 17. Copyright protections must be observed.
 18. Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the 4-H Agent responsible for the photography department.
 19. A Champion and Reserve Champion will be chosen in each class.
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- 550 Color photos taken by a 4-H member with 3 years or less in the project
 - 551 Color photos taken by a 4-H member with 4-7 years in the project
 - 552 Color photos taken by a 4-H member with 8 or more years in the project
 - 553 Black and white photos – taken by a 4-H member with 3 years or less in the project. (Black and white prints only.
 - 554 Black and white photos – taken by a 4-H member with 4-7 years in the project. (Black and white prints only.
 - 555 Black and white photos – taken by a 4-H member with 8 or more years in the project. (Black and white prints only.
 - 556 Digital Composite Image – Photo must be created from two or more originals taken by the exhibitor. Exhibitor must include a second 11 x 12 ½ mat board (Explanation Board) mounted with standard size prints of the original photos, 3 x 5 card(s) explaining what manipulation was done and a standard size print of the final photo. Optional, may include prints of editing steps. Photos showing editing steps may be layered. Please put name and Extension Unit on the front of the second board. Explanation Boards will be displayed along with the finished board. Place both mat boards in the same protective plastic bag. **Note: See Rule #13 for class definition.**

557 Growth Portfolio

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

558 Career Portfolio

1. Member must have been enrolled in Photography for five (5) or more years OR member must be age 15-19 and enrolled in photography for at least two (2) years.
2. Exhibit will consist of ten (10) 8"x10" photos showing skill development in one of the following photography areas: Portraiture, Special Effects (not done with computer), Landscape, Photo Journalism, Black and White, Nature/Wildlife or Graphic Design (computer skills with photos). Photos may have been created over multiple project years.
3. Photos may be color except if Black and White option is chosen.
4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. A one page summary should accompany the portfolio listing the goal for pursuing this area of photography and what skills were learned while doing so. Mentors should be acknowledged. Career exploration can also be described.
6. Exhibit will be present in a notebook designed for portfolio review with pages for required information for #4 and #5.

NOTE: A member may enter only one portfolio each year. Portfolio must have qualified at the County/District Level beginning with 4-H year 2021-2022. For State Fair 2020 and 2021, not County/District is required.

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H SHOOTING SPORTS / WESTERN HERITAGE

Superintendent: Cheryl Conner

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

1. A member may make only one entry in this division.
2. Exhibits in this division are open to educational displays or promotional posters. Follow copyright laws as explained in the General Rules. Take care to select durable materials to withstand Fair conditions. Entries will prominently incorporate the 4-H Clover with KSRE co-branding and should include the Kansas 4-H Shooting Sports emblem. Failure to do so will penalize entry one ribbon color.
3. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS AND KANSAS STATE FAIR MANAGEMENT POLICIES. No "live" ammunition containing propellant or explosive powders may be used in any display! An inert substitution must be used in lieu of powder and "live" ammunition. The substitution must be clearly described on the back of the poster, display or in a notebook. Please remember that neither Franklin County Fair nor the 4-H Youth Development, Kansas State University Research and Extension are liable for the loss or damage of any personal property included as part of the display, poster or notebook.
4. Name, county or district, age and year in project should be on the front of the display, poster or notebook.
5. Exhibits will not be accepted if they are related to reloads.
6. A Champion and Reserve Champion will be selected for Shooting Sports.
7. Displays will be judged on the following points:

<i>Stopping Power</i>	15
<i>Interest, Holding Power</i>	15
<i>4-H Project Application</i>	15
<i>Mechanical Power</i>	5
<i>Personal Growth</i>	25
<i>Educational Value</i>	25
<i>Total</i>	100

8. Posters will be judged on the following points:

<i>Stopping Power</i>	30
<i>Interest, Holding Power</i>	30
<i>4-H Project Application</i>	25
<i>Mechanical Power</i>	15
<i>Total</i>	100

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

SHOOTING SPORTS

- 560 Educational Display: Must be directly related to the 4-H Shooting Sports Project (*must be standard tri-fold board ONLY, must not exceed standard tri-fold: 4' wide x 3 tall, no additional table space available for promotional brochures or display items; content not to exceed display board borders. Failure to do so will penalize entry one ribbon color*).
- 561 Promotional Poster: Must promote 4-H Shooting Sports (*must be flat and no larger than 22 x 30, content not to exceed poster borders. Failure to do so will penalize entry one ribbon color. Posters will be displayed on wall*).
- 562 Notebook: Contents pertain to some phase, results, story or information about 4-H Shooting Sports, no larger than 8 ½ x 11.

WESTERN HERITAGE

- 563 Educational: Must be directly related to the Western Heritage Project (*must be standard tri-fold board ONLY, must not exceed standard tri-fold: 4' wide x 3 tall, no additional table space available for promotional brochures or display items; content not to exceed display board borders. Failure to do so will penalize entry one ribbon color*).
- 564 Promotional Poster: Must promote Western Heritage (*must be flat and no larger than 22 x 30, content not to exceed poster borders. Failure to do so will penalize entry one ribbon color. Posters will be displayed on wall*).
- 565 Notebook: Contents pertain to some phase, results, story or information about Western Heritage.

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

Premium Awards: Blue \$0.75 Red \$0.50 White \$0.25

DIVISION: 4-H SPACETECH

Superintendent: Gary Ross

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Grand Champion Robotics - \$50.00, sponsored by Jim & Julia Kice

Overall Robotics Exhibitor – \$10.00, sponsored by Leonard & Linda Robbins

Grand Champion Rocketry - \$50.00, sponsored by Jim & Julia Kice

Overall Rocketry Exhibitor – Trophy, sponsored by Ken & Dawn Rumford

Top 1st Year Rocketry Exhibitor – Trophy, sponsored by Jake & Scooter Kice

Reserve Champion SpaceTech – Rosette, sponsored by Guy & Mae's

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

ASTRONOMY

1. The 4-H member must be currently enrolled in the 4-H Space Tech project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or districts should select only top or purple ribbon Astronomy exhibits which meet State Fair guidelines.
3. Telescopes entered in this division may be built from a kit or by original design. Pre-finished telescopes which require no construction or painting are not acceptable exhibits.
4. Telescopes are limited to no more than six feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
5. Each telescope exhibit must include a "4-H Astronomy Exhibit Information Form," which should be attached to the outside of a 10" x 13" manila envelope. You must also include construction plans (or a photocopy) of the telescope and place it inside the manila envelope. For notebooks, display boards and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
6. See the last section of SpaceTech for full details about exhibiting posters, display boards and notebooks.
7. Two photographs showing telescope construction and operation are required. Photographs should be mounted on one side of an 8 ½" x 11" page. A brief caption should accompany each photograph. Place photos in the 10" x 13" manila envelope.
8. The telescope must be properly assembled and painted with a smooth and uniform finish. Decals, if used, should be attached smooth and tight.
9. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
10. Exhibitor's name, county or district, age and year(s) in project must be tagged or labeled in a prominent location.
11. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
12. A Champion and Reserve Champion will be chosen for Astronomy.

570 Telescope made from kit

571 Telescope made from the original design

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

COMPUTERS

1. The 4-H computer project teaches concepts related to computers, hardware knowledge, software programming and applications, internet safety, the building, maintenance and repair of computers and future career opportunities. Please note that the actual construction of computer hardware (i.e., building a computer, electronic devices with a mother-board based manipulation) will remain in the Energy Management division.
2. The 4-H members must be currently enrolled in the 4-H SpaceTech project to exhibit in this division.
3. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or district should select only top blue or purple ribbon computer exhibits which meet State Fair guidelines.
4. Exhibitor's name, county or district, 4-H age, and year(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. See the last section of SpaceTech for full details about exhibiting posters, display boards and notebooks.
6. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
7. A Champion and Reserve Champion will be chosen for Computers.

Computer Systems

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

Any item which IS NOT a notebook, display board, or poster displayed in this class is considered a "computer system" exhibit and MUST follow the rules set forth below.

1. All exhibits must be:
 - a. Self-contained on a USB drive (thumb drive, flash drive, jump drive, or other any other name for a small USB storage device; the rules will use "USB drive"). This means that a judge can plug in the USB drive into a computer and be able to run the exhibit as described below.
OR
 - b. System-On-A-Chip (SOC) (such as Raspberry Pi) or a Micro-Controller (such as an Arduino or Ozobot) AND is a compact (less than 4-8"x4-8"x4-8") system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a "chip system" through the rest of the rules.
2. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
3. "Chip systems" may use/include GPIO bread boards or HATs (Hardware Attached on Top) the size of which is not included in the size of the chip system, however the total size of the chip system and GPIO devices may not exceed 24"x24"x24" including any protective enclosures.
4. Any attached GPIO devices are not judged for electrical construction or quality as this division is focused on the operational aspects of the systems that have automated articulated structures (arms, wheels, grippers, etc.) which the exhibitor constructed, can also be classified as a robot and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in both divisions.

5. For chip systems, all electric components of the system must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for the electrical components.
6. All revisions of all forms previously released for the SpaceTech division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
7. For all computer system entries, the following items are required as part of an exhibit packet:
 - a. A manila envelope with the Computer Exhibit Form attached to the front, this form can be downloaded at www.KansasSpaceTech.com.
 - b. A USB drive labeled with the 4-H member's name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
 - c. For exhibits that are entered on USB drives, at least one (1) graphic (picture, screen shot/capture, slide, etc.) of the project must be printed out on an 8.5" X 11" sheet of standard computer paper, **placed in a plastic sheet protector**, to allow for proper display and recognition at the Kansas State Fair. This is what will be displayed during the fair, all other materials will be sent back to the county/district office. On the back side of the graphic the 4-H member's name, county/district, and club should be listed.
 - d. Instructions to run any part of the exhibit on the USB drive. (There should be at least three (3) items in your manila envelope: USB drive, graphic and instructions).
8. Each exhibit must be accompanied by a "4-H Engineer's Journal." The engineer's journal should be typed. It can either be included electronically on the USB drive (preferred) or printed and placed in the manila envelope.
 - a. The "4-H Engineer's Journal" should start with a dated entry describing what the 4-H member is trying to accomplish/build.
 - b. The "4-H Engineer's Journal" should conclude with a dated entry describing what the 4-H member achieved in creating. (The start and end many times will be different. The judges are interested in the journey).
 - c. Additional entries in the "4-H Engineer's Journal" should be made as progress occur describing successes and failures; as well as the steps done and any sources of information including links used.
 - d. Pictures can also be included in the "4-H Engineer's Journal" but should not be more than 50% of the entries.
 - e. The "4-H Engineer's Journal" should contain at least one graphic.
 - f. The "4-H Engineer's Journal" must be at least 3 pages in length.
 - g. An example of a "4-H Engineer's Journal" can be found at www.KansasSpaceTech.com.
 - h. The "4-H Engineer's Journal" will comprise 50% of the overall exhibit score. Failure to include a "4-H Engineer's Journal" will result in the exhibit being disqualified.
9. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive. Failure to include a copy of the "source code" may result in up to one ribbon place deduction.
10. Diagrams or decision trees showing the logical flow of the system must be included on the USB drive for all exhibits.
11. Since there is no conference judging at the Kansas State Fair, a set of instructions must be provided to run the computer system/application. These instructions should be printed off and included in the exhibit package and a copy should be included on the USB drive.

- a. FOR COUNTY FAIRS it is recommended that 4-H member bring a computer that will run their project to the fair for judging as judges typically do not bring computers with them. Operating instructions are still required.
 - b. Instructions should be written as though you were helping a less techy person, use the USB drive with a computer similar. An example of instructions can be found at www.KansasSpaceTech.com.
12. 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 eight (8) minutes and should be placed on the USB drive. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with exhibit form. If the release is not completed, the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
13. Each exhibit must accomplish a specific automated task using a computer, a chip system or virtual machine (VM).
14. Wifi (Internet) is not available at Celebration Hall. It is strongly recommended that 4-H members test exhibits on a computer with Internet connectivity disabled.
15. The Kansas State Fair SPACETECH judges will have internet access. Internet based content may be included in exhibits. Exhibitors should take great care and only go online with their guardian's permission. User names and passwords should not be included in exhibits. If they are required to view the content, a temporary user account and password should be created for judging at the Kansas State Fair, once judging is complete the user name and password should be disabled on the account. If a separate user account is not possible, the content should be included as part of the video. **YOU SHOULD NOT SHARE YOUR USER NAME OR PASSWORD WITH OTHERS.**
16. Kansas 4-H SpaceTech has made available Linux Virtual Machines (VMs) that can be downloaded and used to create projects on such as web servers, networking, and many other projects. For more information on how these VMs can be leveraged or to download them visit www.KansasSpaceTech.com. 4-H members are not required to use the VMs in their projects. They are optional.
17. All licensing should be adhered to for any software used in the exhibit. Failure to do so will result in a reduction of one ribbon placing and may not be considered for best of show.
18. The creation of viruses, malware, malicious applications or code, defamatory language or graphics, bullying, or any material that is "mean," "dangerous," or harmful according to the judge's opinion will result in the exhibit being disqualified.
19. Pictures or still graphics created are not eligible for entry as a project in this division, and should be entered in the appropriate photography division.
20. Judging will be based on a score sheet which can be found at www.KansasSpaceTech.com. There are four (4) areas each exhibit will be judged on. They are:
 - a. 4-H Engineers Journal (what I learned to make it work), 50% overall score
 - b. Instructions (how I help others make it work), 25% overall score
 - c. Functionality (does it work), 12% overall score
 - d. Diagrams (and code if applicable) (how I think it works), 13% overall score

Division – Computer Systems

- 572 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'.)
- 573 Computer presentation (power point, web page/site, animated graphics, etc.)
- 574 Single computer system (web server, database server, etc.)
- 575 Networked system consisting of two or more computers
- 576 Chip system – a small (4-8"x4-8"x4-8") programmed physical device that accomplishes a specific task

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

ROBOTICS

1. 4-H members must be currently enrolled in the Kansas 4-H SpaceTech project to exhibit in this division.
2. Each exhibitor may enter one robot per class. Exhibit must have been constructed and/or completed during the current 4-H year. The robot must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon robot exhibits which meet State Fair guidelines.
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
4. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer systems division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer systems project as the skill is focused on the programming not on the construction of the robot.
5. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displayed in a case (not required or encouraged) the outside case dimensions may not be more than 26 inches in height, width or depth.
6. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robots dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container. (Examples: 4"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 exhibitors name(s) and county or district.
7. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.
8. Robots may be powered by an electrical, battery, water, air or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession or creation, physical and/or electrical that could be used to inflict damage and/or harm to individuals, animal life, and/or property.
9. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Robotic arms (hydraulic or electric) are allowed. A remote is allowed provided more than a single action happens when a single button is pressed on the remote, for example "a motor spins for three (3) seconds at which point an actuator is triggered, then the motor spins for three (3) more seconds." Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.

10. Each robot must be in working condition. The judge will operate each robot to evaluate its workmanship and its ability to complete its intended tasks. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot, a video will be used to evaluate the working condition of the robot.
11. Each exhibitor is required to complete the "4-H SpaceTech Robotics Exhibit Information Form" which is available at the Extension Office. This form must be attached to the outside of a 10" x 13" manila envelope.
12. The exhibit must include written instructions for operation (the instructions should be written as if they were to tell a grandparent or elderly person how to operate the robot), construction plans, and one to three pages of project photographs. In addition, a five (5) minute video presentation placed on a CD, DVD, USB drive or similar removable storage device, if applicable. For robots that can be programmed, robot programming information must be included. This information should be placed inside the 10" x 13" manila envelope mentioned above. The exhibitor may enter their electronic project listed under the electric program as under the SpaceTech robotics project if the exhibitor so chooses. No exhibitor will be allowed to set up their robot in person.
13. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device's safety cannot be ensured. Instead record a video demonstrating the instructions included for your robot. It should show setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.
14. 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 eight (8) minutes and should be placed on the CD, DVD, USB drive or similar. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with exhibit form. If the release is not completed, the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
15. Creativity, workmanship, and functionality will be strong criteria in judging the "Robot designed by Exhibitor" classes. All robots should have a purpose or intended function; examples include, but are not limited to: following a line, sweeping the floor, solving a rubix cube, sorting colors, or climbing stairs.
16. Exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the robot.
17. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H SpaceTech Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H SpaceTech project.
18. If a safety violation is noted by the judges, superintendents, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a participation ribbon.
19. A Champion and Reserve Champion will be chosen for Robotics.

Division A – Beginner – Ages 7 – 8 years

- 577 Robot made from a commercial (purchased) kit (No programming, just assembly.)
- 578 Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan
- 579 Programmable robot made from a commercial (purchased) kit
- 580 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device
- 581 Junk Drawer Robotics.

Division B – Intermediate – Ages 9 – 13 years

- 582 Robot made from a commercial (purchased) kit (No programming, just assembly.)
- 583 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan
- 584 Programmable robot made from a commercial (purchased) kit
- 585 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device
- 586 Junk Drawer Robotics

Division C – Senior – Ages 14 and up

- 587 Robot made from a commercial (purchased) kit (No programming, just assembly.)
- 588 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- 589 Programmable robot made from a commercial (purchased) kit
- 590 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device
- 591 Junk Drawer Robotics

Division D – Team Robotics Project

- 592 Robot designed and constructed by two or more 4-H SpaceTech 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 SpaceTech 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.

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

ROCKETRY

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

Exhibit Information for ALL Rocketry Categories:

1. All revisions of all forms previously released for the SpaceTech division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
2. Relevant documents may be obtained from County Extension Offices or from www.KansasSpaceTech.com.
3. NAR refers to the National Association of Rocketry and its governing board.
4. Tripoli refers to the Tripoli Rocketry Association and governing board.
5. All NAR documents, with the exception of the "pink book" referenced herein can be found at <http://www.nar.org>.
6. If a fire burn ban is in effect for any county in Kansas, exhibitors in any Kansas County are not required to launch their rocket(s). All requirements for the launching of rockets for the state fair and the documenting of the launching are suspended for the duration of the ban.
7. See the last section for full details about exhibiting posters, display boards and notebooks.

Exhibit Definitions for ALL Rocketry Categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is “any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle.” The intent of scale modeling is, according to the NAR, “to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish and flight performance.”(NAR “Pink Book” 50.1 4-1)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H Space Tech a mid-powered rocket is defined as a rocket that uses an ‘E’, ‘F’, ‘G’, or equivalent engine for launch. In addition, rockets also qualify for mid-power if they meet any of the following criteria:
 - a. Is 2 inches or greater in diameter (not including fins) and taller than 3 feet (36 inches including fins) and do not use an engine(s) exceeding 160.01 Newton seconds of total impulse (an ‘H’ engine equivalent or above).
 - b. The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds and less than 160.01 Newton-seconds.
4. For the purposes of Kansas 4-H Space Tech a high powered rocket is defined as a rocket that meets any of the following criteria:
 - a. Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch:
 - b. Uses an ‘H’ engine or larger to launch
 - c. The total impulse of all engines used in the rocket is greater than 160.01 Newton-seconds of thrust.
 - d. Includes any airframes parts of ductile, metal, though, the use of ductile metal is strongly discouraged.
 - e. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.:
 - i. Average thrust in excess of 80.01 Newtons
 - ii. Contains in excess of 125 grams of propellant and are limited to only H and I motors
 - iii. Uses a hybrid motor or a motor designed to emit sparks.
5. High power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR or Tripoli and maintaining that certification. This applies to all membership levels in the NAR and Tripoli. Specifically the “Formal Participation Procedure” for the “Junior HPR Level 1 Participation Program” as outlined by the NAR and the “Tripoli Mentoring Program (TMP) as outlined by Tripoli.
6. NAR rules for launching and construction of all rockets are assumed to be used by all 4-H Space Tech exhibitors and will be considered during judging.
7. For the purposes of Kansas 4-H Space Tech, NO rocket may be launched using engines totaling more than an ‘I’ impulse engine or 640 Newton-seconds of total thrust.

Exhibit Rules for ALL Rocketry Categories:

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

1. 4-H members must be currently enrolled in the 4-H Space Tech Rocketry program to exhibit in this division.
2. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a “model rocket kit” and the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
3. The report that accompanies the rocket must be limited to the 4-H Space Tech Rocket Exhibit Information Form which is affixed to a 10” x 13” envelope. This envelope should NOT be attached to the

rocket stand or rocket. The information form should be signed by the exhibitor. This may be downloaded from www.KansasSpaceTech.com. Any rocket exhibit not including this completed envelope will receive an automatic participation ribbon.

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

15. Rocket engines should not be used to join multi-stage rockets together.
 - a. Multi-stage rockets can be displayed without having the stages connected together. In that case, the final stage (the one with the nose cone) should be placed on the display stand, and other stages with a loop of string to the display stand.
 - b. The different stages must be included to complete the rocketry exhibit; incomplete exhibits will be deducted at least one ribbon placing.
 - c. Use of any engines to join the stages together will be subject to immediate disqualification.
16. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
17. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. All information necessary will be given to the NAR and/or TRIPOLI for investigation and possible revocation of membership.
18. A Champion and Reserve Champion will be chosen for Rocketry.

Construction Rules for ALL Rockets

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

1. Rockets are to be properly assembled according to the assembly instructions.
2. Beginner kits with prefabricated fin assemblies and pre-finished rockets requiring no painting are not acceptable, and will be disqualified.
3. Plastic snap together fins and prefabricated fin assemblies that **do not** require fin alignment are not acceptable, and will be disqualified.
 - a. This rule does not apply to plastic fins that must be manually aligned and do not utilize a fin alignment mechanism, including, but not limited to fin alignment rings or spacing blocks.
 - b. This rule does not apply to fiberglass, Kevlar, extruded foam, composite, or wood fins; especially when used for "through-the-wall" fin attachment techniques that are common in larger rockets.
 - c. In addition, plastic parts for decorative and mechanical purposes (i.e. decorative nozzles and moving landing struts) are not considered fins and can consist of plastic. Decorative nozzles, etc. need to be securely fastened and not pose a safety hazard.
 - d. Fin assemblies that are printed using a 3D printer are excluded from this rule. Thorough detailed instructions on the creation of the fin assemblies must be provided and an additional page of photos may be included to show the creation/printing of fin assemblies.
4. Angles of fins must fall within a plus or minus 2 degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from www.KansasSpaceTech.com.
5. Fins should be rounded or streamlined according to directions. If the other edges are rounded to reduce drag on all exposed sides, there should be no ribbon deduction, unless instructions indicate to leave flat.
6. Fins and body tubes are to be sealed with sanding sealer and/or primer to eliminate the appearance of body grooves and wood grain.
7. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
8. Engine mounts are to be securely attached to the body tube.
9. Any seams on plastic parts are to be sanded smooth.
10. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials.
11. The nose cone is to fit snugly but still allow for easy removal.
12. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly.

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

Model Rocketry Specific Guidelines (ages 7 and up):

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

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

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

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

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

Exhibitors 7 and 8 years old

593 Rocket made from a kit. Include plans.

Exhibitors 9 through 10 years old

594 Rocket made from a kit. Include plans.

Exhibitors 11 through 13 years old

595 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

Exhibitors 14 years and older

596 Rocket made from a kit. Include plans.

597 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

598 Rocket designed by exhibitor: that uses alternative skins; not merely a modification of an existing kit. Include original plans.

Exhibitors 11 years and older

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

599 Rocket designed by two or more exhibitors: not merely a modification of an existing kit. Include original plans.

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

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high/mid-power information form is to be completed and placed inside of the information packet. This may be downloaded from www.KansasSpaceTech.com.
4. Exhibitors in the division must hold memberships in either NAP or Tripoli organizations.
5. The NAP Model Rocket Safety code applies to the construction and launching of all rockets displayed in this division. As such, all exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1 of the current year. However in the event that there is a modification in this code the SpaceTech Action Team may review and implement the modified code.
6. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
7. High power rockets ('H' or 'I' engines) may not be launched in this division.
8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of the waiver is to be attached to the Mid-Power Information form. In the case where the launch was a public event, a substitute to a copy of the waiver is the Range Safety Officers (RSOs) contact information.
9. Mid-Power rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

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

High Power Rocketry Guidelines:

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

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

Exhibitor 14 years and older

601 High power rocket made from a kit or original design.

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

UNMANNED AERIAL SYSTEMS

Purpose: The 4-H unmanned aerial systems or UAS project explores the world from above the trees and discovers new frontiers with UASs. Members explore the uses and applications of unmanned aerial systems including how UASs link to other projects such as geology, robotics, electronics, crop science and many more.

1. The 4-H members must be currently enrolled in the 4-H SpaceTech project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or district should select only top blue or purple ribbon computer exhibits which meet State Fair guidelines.

3. The information that accompanies the UAS must be limited to the 4-H SpaceTech Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the UAS. This may be downloaded from www.KansasSpaceTech.com. Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon.
4. 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 eight (8) minutes and should be placed on the CD, DVD, USB drive or similar. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with exhibit form. If the release is not completed, the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
5. Exhibitor's name, county or district, age, and years in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
6. Unmanned Aerial Systems that include or depict weaponry of any kind will be disqualified.
7. See the last section of SpaceTech for full details about exhibiting posters, display boards and notebooks.
8. If modifications are made to the exhibit, a page should be attached noting those modifications.
9. If a safety violation is noted by the judges, superintendents, or other staff, the exhibitor's exhibit will receive a participation ribbon at the judges' discretion.

Division A – Intermediate, 7-13 years old

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

Division B – Senior, 14 years and older

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

POSTERS, NOTEBOOKS AND DISPLAY BOARDS

Purpose: To allow 4-H members to explore SpaceTech outside the bounds of traditional projects for rockets, robotics, astronomy, computers and unmanned aerial systems.

1. The General Exhibit rules for ALL categories apply.
2. Entries must have been selected at the county level for entry at the Kansas State Fair. Counties/Districts should select top blue or purple ribbon Educational Rocketry Exhibits which meet State Fair guidelines.
3. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
4. Exhibits in posters, notebooks and display must contain substantial supporting educational materials.
5. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have increased while completing the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet will be available at www.KansasSpaceTech.com. For example, a rocket that may have crashed and/or is highly may be made into an educational display or poster that tells a great story with many lessons learned.
6. Follow copyright laws, citing all sources of information in a standard. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards.
7. Educational displays are not to exceed a standard commercial 3'x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand fair conditions.
8. "Construction Kits" that are part of Educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 1' X 2' X 2' and must have a latch which securely keeps all components contained in the "Construction Kits". Other components are to adhere to appropriate dimensions as stated elsewhere.
9. Educational Project notebooks must be organized in a 3-ring binder.
10. Any three dimensional display exhibits may not be thicker than 1".
11. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
12. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the notebook and/or "Construction Kit". For educational displays and/or posters, the exhibitor's name, county/district, age and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in one ribbon placing deduction.
13. Exhibits should possess the following qualities (in no particular order):
 - a. A central theme
 - b. What you want others to learn
 - c. Be designed and constructed in a manner befitting the exhibit
 - d. Be something you are interested in
 - e. Be related to Astronomy, Computers Systems, Robotics, Rocketry, or Unmanned Aerial Systems.
 - f. As well as those characteristics described above
14. If a safety violation is noted by the judges, superintendents, or other staff, the exhibitor's exhibit will receive a participation ribbon at the judges' discretion.

POSTERS, NOTEBOOKS AND DISPLAY BOARDS

Astronomy – Exhibitors 7 and 8 years old

- 606a Astronomy Educational Display
- 606b Astronomy Educational Notebook
- 606c Astronomy Educational Poster

Astronomy – Exhibitors 9 through 13 years old

- 607a Astronomy Educational Display
- 607b Astronomy Educational Notebook
- 607c Astronomy Educational Poster

Astronomy – Exhibitors 14 years and older

- 608a Astronomy Educational Display
- 608b Astronomy Educational Notebook
- 608c Astronomy Educational Poster

Rocketry – Exhibitors 7 and 8 years old

- 609a Rocketry Educational Display
- 609b Rocketry Educational Notebook
- 609c Rocketry Educational Poster

Rocketry – Exhibitors 9 through 13 years old

- 610a Rocketry Educational Display
- 610b Rocketry Notebook
- 610c Rocketry Poster Board

Rocketry – Exhibitors 14 years and older

- 611a Rocketry Educational Display
- 611b Rocketry Notebook
- 611c Rocketry Poster Board

Robotics – Exhibitors 7 and 8 years old

- 612a Robotics Educational Display
- 612b Robotics Educational Notebook
- 612c Robotics Educational Poster

Robotics – Exhibitors 9 through 13 years old

- 613a Robotics Educational Display
- 613b Robotics Educational Notebook
- 613c Robotics Educational Poster

Robotics – Exhibitors 14 years and older

- 614a Robotics Educational Display
- 614b Robotics Educational Notebook
- 614c Robotics Educational Poster

Robotics – Team Robotics Project

- 615a Team Robotics Educational Display
- 615b Team Robotics Educational Notebook
- 615c Team Robotics Educational Poster

Computers – Exhibitors 7 and 8 years old

- 616a Computers Educational Display
- 616b Computers Educational Notebook
- 616c Computers Educational Poster

Computers – Exhibitors 9 through 13 years old

- 617a Computers Educational Poster
- 617b Computers Display Board
- 617c Computers Notebook

Computers – Exhibitors 14 years and older

- 618a Computers Educational Poster
- 618b Computers Display Board
- 618c Computers Notebook

Unmanned Aerial Systems – Exhibitors 7 and 8 years old

- 619a Unmanned Aerial Systems Educational Display
- 619b Unmanned Aerial Systems Educational Notebook
- 619c Unmanned Aerial Systems Educational Poster

Unmanned Aerial Systems – Exhibitors 9 through 13 years old

- 620a Unmanned Aerial Systems Educational Poster
- 620b Unmanned Aerial Systems Display Board
- 620c Unmanned Aerial Systems Notebook

Unmanned Aerial Systems – Exhibitors 14 years and older

- 621a Unmanned Aerial Systems Educational Poster
- 621b Unmanned Aerial Systems Display Board
- 621c Unmanned Aerial Systems Notebook

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H VISUAL ARTS

Superintendents:, Karla Face & Layne Lutz

Entry Time: Tuesday, July 14, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Tuesday, July 14, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Champion Visual Arts – Plaque & \$10.00, sponsored by Penne Rowland

Reserve Champion Visual Arts – Plaque & \$5.00, sponsored by Penne Rowland

State Fair Qualification – The 4-H member must be 9 years old or older to exhibit at the State Fair. Only four Visual Arts exhibits will be chosen by the judge(s) to exhibit at the State Fair. Visual Arts is a noncompetitive division at the State Fair.

1. Visual Arts are a conference style judging opportunity. Conference judging is optional; however, the project must be judged on this day in order to be considered for the 4-H Division of the Fair.
2. 4-H members can exhibit up to 8 items with a limit of 2 per class.
3. Exhibits made from craft kits are not acceptable. Entries are to be creative and original.
Exception: Stitchery may be made from kits.
4. An evaluation sheet must be attached to the exhibit if you cannot stay for conference judging.
5. There will be four divisions for Crafts: Beginner – Age 7-8, Junior – Age 9-11, Intermediates – Age 12-14, Seniors – Age 15+. No age division will be judged against another except in picking the overall champion.
6. All exhibits, which need to be hung, **MUST** have wire or saw tooth hanger attached (no string or tape) in order to be properly displayed. If necessary hardware is not attached, it may not be displayed.
7. No glass on frames.
8. Multi-piece items should be marked accordingly.
9. 4-H members should exhibit in the project in which they are enrolled. The Fiber Arts Project offers classes for quilting, embroidery, counted-cross stitch, etc.
10. No plants or plant materials needing watering can be entered as an art display or item.
11. All exhibits are entered at your own risk.
12. A Champion and Reserve Champion will be selected for Visual Arts.

660 Item made from Recycled Materials

661 Sketching, Drawing and Painting

662 Carving

663 Ceramics

664 Leather

665 Miscellaneous – must not “fit” in any other Visual Arts Class

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

Premium Awards: Purple or Blue \$1.00 Red \$0.75 White \$0.50

DIVISION: 4-H WILDLIFE
Superintendent: Julie Spielman

Entry Time: Wednesday, July 15, 10:00 a.m. – Noon
Check-Out/Pick up: Saturday, July 18, 3:00 p.m. – 5:00 p.m.

Special Awards will be given at pick-up.

Overall Wildlife Exhibitor – Plaque, sponsored by Franklin County Conservation District

Reserve Champion Wildlife – Embroidered Bag, sponsored by Aaron & Angelle Higbie

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

Stopping Power – 10

Is the main idea specific? Is the idea present clearly, simply, forcefully?

Interest, Holding Power – 15

Does the exhibit give the observer additional facts in a clear, concise informative way?

4-H Project Application – 15

Is the subject matter an effective showcase?

Mechanical Power – 10

Correct letter size, pleasing color combination, appropriate symbols, and models.

Personal Growth – 25

How much knowledge was gained by exhibitor? Was enthusiasm shown?

Educational Value – 25

Knowledge shared. Credit all citations, websites or other resources used in creating your exhibit.

6. Posters will be judged on the following points:

General Appearance – 30

Information – 50

Organization – 20

7. A Champion and Reserve Champion will be chosen for Wildlife.

- 670 Notebook – Contents pertain to some phase, results, story or information about the wildlife project.
- 671 Promotional Poster – Must be related to something learned in the wildlife project (flat poster board or foam board no larger than 22" x 28")
- 672 Educational Display – Must be directly related to the wildlife project. Maximum tri-fold size is 3' x 4'
- 673 Taxidermy/Tanning Exhibit – Should include an attachment that shows the work in progress through photos with captions or a detailed journaling of the process.

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

Premium Awards: Blue \$0.75 Red \$0.50 White \$0.25

DIVISION: 4-H WOODWORKING

Superintendent: Traci Pearce

Entry Time: Wednesday, July 15, 9:00 a.m. – 10:00 a.m.

Check-Out/Pick up: Wednesday, July 15, 2:00 p.m. – 3:00 p.m.

Special Awards will be given at pick-up.

Overall Woodworking Exhibitor – Plaque, sponsored by Dave's Pest Control

Reserve Champion Woodworking – \$15 CMI Gift Card, sponsored by Aaron & Angelle Higbie

Top 1st Year Woodworking Exhibitor – Plaque, sponsored by Franklin County Farm Bureau Association

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

675 Hand tools only (for beginners)

676 Article for farm or shop use

677 Furniture for the household or lawn use

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

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

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

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