

**2019 BOURBON COUNTY FAIR
4-H GENERAL RULES**

1. Bourbon County 4-H members who have enrolled on the 4-H online website by December 1, 2018 are eligible to exhibit at the County Fair.
2. One exhibit entry can be made per class unless specified under the division rules. 4-H members must be enrolled in the 4-H project phase by May 1, 2019 and meet any specified requirements specific to the project.
3. A fair entry form must be completed by each 4-H exhibitor, listing each class they would like to exhibit an entry in. If more than one entry per class is allowed, each entry must be listed separately on the fair entry form. Entry forms are due to the Southwind District Fort Scott office by June 15th. Late entries will be accepted from June 16th through July 1st with a \$25.00 late fee per exhibitor. Entries will be accepted through July 2nd for 2019.
4. All entries must be from the current 4-H year, work of the 4-H'er and owned solely by the exhibitor, with the exception of horses.
5. Age Levels are as of December 31, 2018. Level I – 7-8; Level II – 9-11; Level III – 12-13; Level IV 14 and older.
6. An entry tag is to be attached to each exhibit entered in the 4-H building with tape, string, or rubber band. Entry tags can be picked up from the Southwind District Fort Scott office, date will be announced for pick up.
7. All 4-H entries will be judged as a purple, blue, red or white ribbon and paid according to the amount listed for each division. The judge's decision is final.
8. Exhibits by members age 9 years and older earning a purple ribbon may be eligible for the Kansas State Fair. 4-H members are responsible for checking with the Southwind District Fort Scott office for eligibility before August 10.
9. Educational Exhibits: Must be related to the 4-H project. Content pertains to some phase, result, story information or promotion of 4-H project. Exhibit Criteria: Posters must be flat and no larger than 22"x28", displays standard tri-fold boards, no larger than 3'x4', notebooks must be current 4-H year. No card table displays are allowed. Name, district, age and year in project should be in a prominent location on the exhibit.
10. Copyrighting: Exhibitors should avoid using copyrighted materials (brand names, product, slogan) whenever possible by originating his/her own work. Copyrighted and /or trademarked materials should not be used in banners, displays, posters, or in other ways.
11. All exhibits are to remain on the fairgrounds from the time of entry until scheduled release. **NO EXCEPTIONS.**
12. Neither the Bourbon County Fair Association, Southwind Extension District nor 4-H Youth Development are liable for the loss or damage of any personal property.
13. Superintendents, Extension Agents and Fair Board are not responsible for exhibits left after exhibit release.
14. Please see General Information and Open Class rules.

SOUTHWIND EXTENSION DISTRICT – FORT SCOTT OFFICE

Jennifer Terrell: Extension Agent 4-H Youth Development

Joy Miller: Extension Agent Family and Consumer Science

Chris Petty: Southwind Extension Agent Livestock Production and Forage Management
: 4-H Program Assistant
Pat Simpson: Office Professional 4-H Content Manager
: Summer Intern

Bourbon County 4-Her's would like to say Thank you to all the individuals and businesses who support the 4-H program by providing awards, volunteering throughout the year, and attending 4-H events and the Bourbon County Fair.

4-H CLASS EXHIBITS - Bourbon County 4-H Building

4-H MOST FAIR EXHIBITS

SPECIAL PRIZE MONEYFOR MOST 4-H EXHIBITS:

In Memory of Barbara Coyan donated by her daughter Bernetta Stewart.

Most Fair Exhibits Girl - Award and \$50.00

Most Fair Exhibits Boy - Award and \$50.00

Second place Girl - \$25.00

Second place Boy - \$25.00

Third place Girl - \$10.00

Third place Boy - \$10.00

4-H CLUB BANNERS

1. See 4-H General Rules and copy right reference in rule #11.
2. One entry per 4-H Club.
3. 4-H Community Leaders must submit an entry form to the Extension Office by Friday, June 14.
4. Banners are a two dimensional display made of non-flammable material, depicting one idea.
5. Dimensions are to be no less than 12 and no more than 16 square feet, with a minimum of three feet on one side.
6. Banners must be hung on a rod strong enough to support the banner.
7. A label is to be attached to the lower left-hand corner of banner giving the name of the 4-H Club.
8. Banner should be hung up in the 4-H Building by 8:00 p.m. Monday, July 15.

Class 601 4-H Club Banner

Uniontown Ruritan Club – Overall Champion - \$25.00

Ag Reality – Overall Reserve Champion - \$10.00

DEPARTMENT PREMIUMS: \$5.00, \$2.00, \$2.00

4-H CLUB BARNYARD OLYMPICS

Contest: Friday, July 19, 1:00 p.m.

Designed to encourage 4-H Club participation in a fun and team-building atmosphere. Events may be, but are not limited to: Hay Bale Stacking, Wheelbarrow Race, Stick Horse Race, Blindfolded Obstacle Course, Egg Toss, Horse Apple Bullseye, Show Stick Kick, Goat Milking, Relays etc....

1. 4-H Community Leaders must submit an entry form to the Extension Office by June 15.

2. Participants should include the following:
 - 1) Club President or Vice President,
 - 2) 4H Member age 7-12
 - 3) 4-H Member 13-19
 - 4) Adult over age 40
 - 5) "Celebrity" from the community

Class 602 4-H Club Barnyard Olympics

Bob and Glenda Miller - 1st place - \$60.00, 2nd place - \$40.00, 3rd place - \$30.00

4-H CLUB DISPLAY

1. See 4-H General Rules and copy right reference in rule #11.
2. One entry per 4-H Club.
3. 4-H Community Leaders must submit an entry form to the Extension Office by June 15.
4. Each display should illustrate or demonstrate a phase of work being practiced by 4-H Club members within club represented.
5. Display must be set up by 8:30 p.m. Monday July 15.

Class 603 4-H Club Display

Uniontown Ruritan Club – Overall Champion - \$25.00
Rogers Body Shop – Overall Reserve Champion - \$10.00
Henry and Doris Ericson – Top display promoting 4-H - \$5.00
Thursday Night Live FCE – Top display promoting 4-H - \$5.00
DEPARTMENT PREMIUMS: \$5.00, \$3.00, \$2.00

4-H CLOVERBUD CORNER: 4-H Cloverbuds age 5-6

Superintendent: Beth Snyder
Assistant Superintendents: Brooklyn Pruitt, Carsen Wunderly

1. Exhibitors must be enrolled in the 4-H Cloverbud project.
2. 4-H Cloverbuds are encouraged to bring two projects/items to the 4-H Cloverbud Corner
3. No pre-registration is required. Each project/item should be labeled with name, age and 4-H Club.
4. Check exhibits in with the 4-H Miscellaneous Superintendent in the 4-H Building.
5. All exhibits will receive a Cloverbud participation ribbon.

4-H CLOTHING AND TEXTILES
Conference Judging: Tuesday, July 9, 9:00 a.m.
Ellis Fine Arts Center – Fort Scott Community College

Superintendents: Marge Madison, Irene Kennedy
Assistant Superintendents: Lauren Madison, Olivia Walker

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Clothing and Textiles project.

3. More than 1 entry may be made under constructed item or garment class, one entry allowed in educational exhibit.
4. Each entry must be listed separately on fair entry form. Exhibits may be a garment or outfit constructed for self or someone else. Exhibits may also be a recycled garment or item, non-apparel item, or wearable accessory.
5. Pre-cut kits are acceptable.
6. Garments should be carefully cleaned and pressed before being exhibited. Since care labels are not always available, no care label will be required; however 4-H member should know the fiber content and care instructions for fabric purchased for conference judging.
7. Labels: Type or print on 3"x2" piece of cloth: name, class number, county/district name. Sew labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
8. 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. **A "before" picture of the garment or item being recycled is required for judging and should be attached to judging form. An index card (no larger than 4"x6") must accompany entry describing the recycled materials and how they were used in the item.**
9. 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. See 4-H General Rules #10 and #11.

LEVEL I (age: 7-8)

- Class 50 Constructed Item or Garment
 Class 51 Educational Exhibit

LEVEL II (age: 9-11)

- Class 55 Constructed Item or Garment
 Class 56 Educational Exhibit

LEVEL III (age: 12-13)

- Class 60 Constructed Item or Garment
 Class 61 Educational Exhibit

LEVEL IV (age: 14 and over)

- Class 65 Constructed Item or Garment
 Class 66 Educational Exhibit

Marlene Breiner – Overall Champion Level IV – Special Gift
 Starlite FCE – Overall Reserve Champion Level IV - \$10.00
 Sheila Blubaugh – Top Garment in class 65 and class 66 - \$10.00
 Bob Williams Insurance Agency – Overall Champion Level III - \$10.00
 Sekan Occasion Shop – Overall Reserve Champion Level III - \$10.00 Gift Certificate
 Martha Ann Callow – Top Garment in class 60 and class 61 - \$5.00
 Mertz Tax Service Inc. – Overall Champion Level II - \$10.00
 Mertz Tax Service Inc. – Overall Reserve Champion Level II - \$5.00
 Pat and Janet Murphy Family – Top Garment in class 55 and class 56 - \$5.00
 Mertz Tax Service Inc. – Overall Champion Level I - \$10.00
 Mertz Tax Service Inc. – Overall Reserve Champion Level I - \$5.00
 Martha Ann Callow – Top Garment in class 50 and class 51 - \$5.00
 Leon and Sherral Fry – Overall Top Recycled Garment - \$10.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H CLOTHING AND TEXTILES - FASHION REVUE CONSTRUCTED GARMENT AND FASHION REVUE BUYMANSHIP

**Conference Judging: Tuesday, July 9, 9:00 a.m.
Ellis Fine Arts Center – Fort Scott Community College**

Superintendents: Rhonda Bailey, Linda Minor

The Public Fashion Revue will be held Thursday, July 18 at 5:30 p.m. in the Fort Scott Community College Round Room. Youth must be present and participate at the Public Fashion Revue to receive recognition, awards, ribbons and prize money. Practice for the Revue will be July 18, 1:00 p.m. in the Fort Scott Community College Round Room.

FASHION REVUE - CONSTRUCTED GARMENT

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Clothing and Textiles project.
3. More than 1 entry may be made in each class, but each entry must be listed separately on the fair entry form.
4. Participants are requested to model only what can be worn, garments should not be carried. Two garment pieces that would be worn together will be entered as 1 entry.
5. Judging Forms: Fashion Revue narration and cost of wear forms need to be completed and due the day of judging. Forms are available at the Extension Office and online:
www.southwind.ksu.edu/fairs/bourbon-county.
6. Recycled Garments: A “before” picture of the garment or item being recycled is required for judging and should be attached to judging form.
7. To be considered for champion, garment must be modeled by the 4-H member who made the garment.
9. No live animals may accompany participant except service animals.
10. Kansas State Fair: Majority of the outfit must be constructed and modeled by the 4-H member who made the garment/outfit. Everything which is commonly considered an outer garment must be constructed (vest, jacket, dress, skirt, pants, coat, etc.). A sweater, blouse or shirt that is worn underneath another constructed garment can be purchased or made.
11. Kansas State Fair: Champion and Reserve Champion exhibitors age 14, but not yet 19, before January 1 of the current year will be given first opportunity to participate, then it will be based on seniority of those who receive a purple ribbon.

LEVEL I (age: 7-8)

- Class 550 Garment or outfit constructed by member
Class 551 Garment or outfit constructed for someone else
Class 552 Recycled Garment

LEVEL II (age: 9-11)

- Class 556 Garment or outfit constructed by member
Class 557 Garment or outfit constructed for someone else
Class 558 Recycled Garment

LEVEL III (age: 12-13)

- Class 563 Garment or outfit constructed by member
Class 564 Garment or outfit constructed for someone else

Class 565 Recycled Garment

LEVEL IV (age: 14 and over)

Class 569 Garment or outfit constructed by member
Class 570 Garment or outfit constructed for someone else
Class 571 Recycled Garment

Dave and Sheila Blubaugh – Overall Champion Level IV – Trophy
Kenny Blake – Geneva and Son Monument Company – Overall Champion Level IV - \$15.00
In Memory of Robert Findley – Overall Reserve Champion Level IV - Trophy
Starlite FCE – Overall Reserve Champion Level IV - \$10.00
Starlite FCE – Overall Champion Level III - \$10.00
Lela Simpson – Overall Reserve Champion Level III - \$10.00
Henry and Doris Ericson – Overall Champion Level II - \$5.00
Leon and Sherral Fry – Overall Reserve Champion Level II - \$5.00
Henry and Doris Ericson – Overall Champion Level I - \$5.00
Marlene Breiner – Overall Reserve Champion Level I \$5.00
DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

FASHION REVUE - BUYMANSHIP FEMALE DIVISION

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Clothing and Textiles project.
3. Judging Forms: Fashion Revue narration and cost of wear forms need to be completed and due the day of judging. Forms are available at the Extension Office and online: www.southwind.ksu.edu/fairs/bourbon-county.
4. Participant may model only what can be worn. Garments cannot be carried. Contestants should use good sense in choosing items that are appropriate to be modeled publicly.
5. Youth must participate and be present at the Public Fashion Revue to receive recognition or awards. Ribbons and prize money will be withheld if participants do not participate in the Public Revue.
6. Majority of the outfit must be purchased (not borrowed) and modeled by the 4-H member or made by another individual for the 4-H member if the fabric and pattern were chosen by the 4-H member. Everything which is commonly considered an outer garment must be purchased by the 4-H member or constructed by another person (vest, jacket, dress, skirt, pants, coat, etc.).
7. Kansas State Fair: Champion and Reserve Champion exhibitors age 14, but not yet 19, before January 1 of the current year will be given first opportunity to participate, then it will be based on seniority of those who receive a purple ribbon.

LEVEL I (age: 7-8)

Class 110 A Female – Casual Dress
Class 111 A Female – Dress-up Outfit
Class 112 A Female – Formal Ware

LEVEL II (age: 9-11)

Class 113 A Female – Casual Dress
Class 114 A Female – Dress-up Outfit
Class 115 A Female – Formal Ware

LEVEL III (age: 12-13)

Class 116 A Female – Casual Dress

Class 117 A Female – Dress-up Outfit

Class 118 A Female – Formal Ware

LEVEL IV (age: 14 and over)

Class 119 A Female – Casual Dress

Class 120 A Female – Dress-up Outfit

Class 121 A Female – Formal Ware

Lockwood Motor Supply – Overall Champion Level IV – Trophy

Flowers by Leanna – Overall Champion Level IV - \$10.00 Gift Certificate

Lockwood Motor Supply – Overall Reserve Champion Level IV - Trophy

Sekan Occasion Shop – Overall Reserve Champion Level IV - \$10.00 Gift Certificate

Flowers by Leanna – Overall Champion Level III - \$10.00 Gift Certificate

Sekan Occasion Shop – Overall Reserve Champion Level III - \$10.00 Gift Certificate

Pat and Janet Murphy Family – Overall Champion Level II - \$5.00

Jim and Janet O’Brien, In Memory of Eric O’Brien – Overall Reserve Champion Level II - \$5.00

Joyce Davenport – Overall Champion Level II - \$5.00

Lori Nelsen – Overall Reserve Champion Level II - \$5.00

In Memory of Julie Lemmon and Pat Cook – Overall Champion Level I - \$5.00

In Memory of Julie Lemmon and Pat Cook – Overall Reserve Champion Level I - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

FASHION REVUE - BUYMANSHIP MALE DIVISION

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Clothing and Textiles project.
3. Judging Forms: Fashion Revue narration and cost of wear forms need to be completed and due the day of judging. Forms are available at the Extension Office and online: www.southwind.ksu.edu/fairs/bourbon-county.
4. Participant may model only what can be worn. Garments cannot be carried. Contestants should use good sense in choosing items that are appropriate to be modeled publicly.
5. Youth must participate and be present at the Public Fashion Revue to receive recognition or awards. Ribbons and prize money will be withheld if participants do not participate in the Public Revue.
6. Majority of the outfit must be purchased (not borrowed) and modeled by the 4-H member or made by another individual for the 4-H member if the fabric and pattern were chosen by the 4-H member. Everything which is commonly considered an outer garment must be purchased by the 4-H member or constructed by another person (vest, jacket, dress, skirt, pants, coat, etc.).
7. Kansas State Fair: Champion and Reserve Champion exhibitors age 14, but not yet 19, before January 1 of the current year will be given first opportunity to participate, then it will be based on seniority of those who receive a purple ribbon.

LEVEL I (age: 7-8)

Class 110 B Male – Casual Dress

Class 111 B Male – Dress-up Outfit

Class 112 B Male – Formal Wear

LEVEL II (age: 9-11)

Class 113 B Male – Casual Dress

Class 114 B Male – Dress-up Outfit

Class 115 B Male – Formal Wear

LEVEL III (age: 12-13)

Class 116 B Male – Casual Dress

Class 117 B Male – Dress-up Outfit

Class 118 B Male – Formal Wear

LEVEL IV (age: 14 and over)

Class 119 B Male – Casual Dress

Class 120 B Male – Dress-up Outfit

Class 121 B Male – Formal Wear

Fort Scott Community College – Overall Champion Level IV – Trophy

Tim and Tori Murphy – Overall Champion Level IV- \$10.00

Fort Scott Community College – Overall Reserve Champion Level IV - Trophy

Tim and Tori Murphy – Overall Reserve Champion Level IV- \$5.00

Tim and Tori Murphy – Overall Champion Level III - \$10.00

Tim and Tori Murphy –Overall Reserve Champion Level III - \$5.00

Tim and Tori Murphy – Overall Champion Level II - \$10.00

Tim and Tori Murphy –Overall Reserve Champion Level II - \$5.00

Jim and Janet O’Brien, In Memory of Eric O’Brien – Overall Champion Level I - \$5.00

Bandera Stone – Overall Reserve Champion Level I - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H ENERGY MANAGEMENT

Superintendent: Beth Snyder

Assistant Superintendents: Brooklyn Pruitt, Carsen Wunderly

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Energy Management project.
3. A sheet of operating instructions should be furnished for any exhibit not self-explanatory.
4. Articles that have been in use should be cleaned for exhibit.
5. Projects must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
6. Any project with a complexity of size or electronics must have; a) instructions for assembly and use; b) equipment available at the time of judging for actual testing of the exhibit.
7. No hand dipped solder may be used on exhibits.
8. Small Engines: All exhibits should involve engines smaller than 20 horsepower for classes 367 – 369. Displays are limited to 4’ wide and 4’ deep – both upright and floor displays.
9. Alternative Energy: **A form of energy derived from a natural source, such as the sun, geothermal, wind, tides or waves.** Exhibits 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.

ELECTRICAL and ELECTRONICS

Class 363 AC Electric Projects. Electric projects with a 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be a restoration or original construction. The project must be operational and meet minimum safety

standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have wiring access to examine the quality and safety of workmanship.

- Class 364 DC Electric Projects. Electric projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered project. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must include batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.
- Class 365 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 wiring workmanship.
- Class 366 Educational Displays and Exhibits. The purpose of the educational display and exhibit is to educate the viewer about a specific area of the 4-H electrical or electronics project. The display or exhibit should illustrate one basic idea. This class includes any educational displays, exhibits or science fair type projects which DO NOT have a power source, i.e. exhibits, posters or displays of wire types, conduit types, electrical safety, tool or motor parts identification or electrical terminology. Educational displays and exhibits must be legible from a distance of four feet, using a maximum tri-fold size of 3' x 4'.

SMALL ENGINES

- Class 367 Display - Exhibit a display, selecting one of the following options: 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR 2) a display identifying and explaining the function(s) of different special tools needed for small engine work; OR 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.
- Class 368 Maintenance - Exhibit a display that illustrates either 1) Routine maintenance procedures OR 2) Diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display, using a maximum tri-fold size of 3' x 4'.
- Class 369 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 is 3' x 4'. Engine should contain no fuel in tank or carburetor.

ALTERNATIVE ENERGY

- Class 370 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.
- Class 371 Experiment: Display an experiment addressing a problem or question related to power generated

from a renewable energy source. Include hypothesis, background research, variables, a control, data, findings, conclusions and recommendations for future study.

Fort Cinema – Overall Champion – Movie Pass

Pat and Janet Murphy Family – Overall Reserve Champion - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H ENTOMOLOGY

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk Jr., Brennan Popp, Sierra Wright

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Entomology project.

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 Plexiglas). Boxes can be handmade or purchased as long as they are of the correct size. Please visit the website <http://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html>
2. 4-Hers may choose to use one of two taxonomies: As printed in “Insects in Kansas” book or as printed on the “Insects in Kansas Book: 2016 Revised Taxonomy”, which follows www.bugguide.net Each exhibitor is required to identify each box with two identification labels bearing Exhibitor’s name, county or district, the collection class 4-H’er is enrolled in and statement of taxonomy used: One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Arrange specimens in the box so the box can be displayed lengthwise.
3. The number of orders, specimens (and families where required) must be included on both of the exhibitor’s box identification labels.
4. 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.
5. 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 and state abbreviation should be on the second label. Collector’s name (or host) on the date/locality label is optional.
6. 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.
7. Only specimens of the class Insecta should be included.
8. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
9. 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.

Class 386 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. Members can exhibit in this class a maximum of 3 years.

Class 387 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. Members can exhibit in this class a maximum of 3 years.

- Class 388 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, 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
- On a piece of paper list what you did to improve your collection during the current year. Members can exhibit in this class a maximum of 3 years. A 4-H'er may move up if they receive a purple ribbon.
- Class 389 Advanced Entomology Collection: Display a minimum of 150 and a maximum of 450 species representing at least 12 orders. Three standard boxes can be used. Follow the general guidelines listed for Collections. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. On a piece of paper list what you did to improve your collection during the current year. Examples: what insects did you add or replace; what orders and/or families you added; what Leadership you provided in this project; and/or what insects you have studied. Attach paper to the back of one of the display boxes. Members may continue to exhibit in this class at the Kansas State Fair for an unrestricted number of years as long as they remain eligible for 4-H membership.

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-Hers 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 and state abbreviation 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 as well 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.

Class 390 **Introductory Entomology Notebook:** Display a minimum of 10 and a maximum of 30 insect species representing at least 6 different orders. Follow the general guidelines listed for Notebooks, including the Special project. A 4-H member must be of minimum age to compete at the Kansas State Fair. A 4-H member may exhibit in this class for a maximum of two year.

Class 391 **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.

Class 392 **Intermediate Entomology Notebook:** Display a minimum of 60 and a maximum of 100 species representing at least 9 orders. Follow the general guidelines listed for Notebooks, including the Special project. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging)

- 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 can exhibit in this class a maximum of 3 years.

Class 393 **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. Members may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.

EDUCATIONAL DISPLAY

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming with Insects curriculum that does not fit into Entomology Collection or notebook classes above.
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 state 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 X24 X 3.5 inches with a clear plastic top (such as plexiglas) 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.

- Class 395 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 7-12. Follow the general rules listed for the Educational displays.
- Class 396 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.
- Class 397 Advanced Educational Display: Class for individuals that are exhibiting in the Advanced Notebook Classes. If only exhibiting in this category, then ages 13 or older. Follow the general rules listed for the Educational displays.

Fort Cinema – Overall Champion – Movie Pass

In Memory of Goldie Coberly – Overall Reserve Champion - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H FIBER ARTS

Superintendents: Jennifer Carnes, Jessica Carnes

Assistant Superintendents: Madelynn Ard, Gwenyth Fry, Alexa Fuhrman, Harmony Shaw

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Fiber Arts project.
3. Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving, crochet, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting or 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.**
4. More than 1 entry may be made in each class, but each entry must be listed separately on the fair entry form.
5. Identification Label:
 - a) Type or print on a 3" x 2 1/2 "piece of cloth: class number, county or district, and exhibitor's name.
 - b) Sew or safety pin this ID label on the corner of flat articles;
 - c) For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.
6. All articles/garments must be finished for use.
7. When articles, which are normally worn as a pair, are exhibited, both articles must be shown together securely with yarn.
8. Educational Notebook: Share with others what you learned in this project about a particular Fiber Art Exhibit. Should be in the form of a notebook or binder (name, local unit and fiber art cover must be clearly marked in the notebook). Include a narrative section describing the fiber art, clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-to, photographs of completed projects, or other ways to constitute an educational notebook. Follow copyright laws as explained in the 4-H General Rules #11as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the

notebook.

Class 133	Crochet
Class 134	Knitting
Class 135	Needle Arts: Created by hand using any of the following techniques: embroidery and cross-stitch, needlepoint, candle wicking, crewel, lacework, appliqué
Class 136	Patchwork and Quilting
Class 137	Other Fiber Arts: Including rug making, spinning, weaving, macramé, ethnic arts
Class 138	Fiber Arts Educational Notebook

Flowers by Leanna – Overall Champion - \$10.00 Gift Certificate

Leon and Sherral Fry – Overall Reserve Champion - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H FOOD AND NUTRITION

Superintendents: Janila Preston, Alicia Jackson, Diane Spencer

Assistant Superintendents: Amanda Emmerson, Delayni Foulk, Kaitlyn Hanks, Alyssa Popp, Grace Walker

FOOD PREPERATION:

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Food and Nutrition project.
3. Five entries may be made in Non-perishable Food Product (Classes 1, 10, 20, 30) and each entry must be listed separately on the fair entry form. One entry allowed for all other classes. Participants will automatically be added for one food flop entry.
4. Non-Perishable Foods: If exhibiting cookies, muffins, rolls, cupcakes, candies or other small items bring (3) on a six inch plate. Larger exhibits such as bread and cakes must be left whole and uncut. Fruit pies can remain in pie pan. Place all exhibits in plastic bags or cover with saran wrap. Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or in a disposable container and cut to fit the size of the product.
5. No alcohol or alcohol ingredients maybe used.
6. 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) 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. Judge’s Guide is available at the Extension Office.
7. Recipes: All food exhibits require a recipe. Source of recipe must appear on card. Recipes in the 4-H foods project are only guidelines. Recipes from other sources may be used, commercial mixes are permitted. Exhibit will be dropped one ribbon placing without a recipe.
8. Modified Non-perishable food products: Products must be modified from original recipe to nutritionally enhance the food product. Attach one – 8 ½ x11 inch page (front and back) that includes Original Recipe, Modified Recipe, and Narrative to describe modifications made, why modifications were made and lessons learned such as nutritive value, or changes in appearance, doneness, aroma, flavor, tenderness and/or texture. Example a standard blueberry muffin recipe that is modified to make it gluten free.
9. Food Flop – 4-H members will receive a ribbon placing on how well the 4-H member understands the reason for the poor quality food product. 4-H members need to explain to the judges what caused the food product to flop, and share solutions for the failed food product.
10. Educational Exhibit: Share with others what you learned in this project. Exhibits may be in the form of

a poster, notebook or display (A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit). Follow copyright laws. See 4-H General Rules #10 and #11.

11. Food Gift Packages must contain at least 3 different non-perishable food items prepared for human consumption and made by the 4-H'er, in a suitable container maximum size of 18"x18"x18". Prepared food items must have recipes attached with the entry card. Additional homemade food items or purchased items may also be included in the gift package beyond the 3 minimum. No alcoholic beverages will be accepted. On a 3x5 inch index card answer these questions: a) what is the intended use, b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food product for the Kansas State Fair.
12. Kansas State Fair: 4-H members age 9 and older receiving a purple ribbon are eligible to exhibit at the Kansas State Fair.

LEVEL I (age: 7-8)

- Class 1 Non-perishable Food Product
- Class 2 Modified Non-perishable Food Product
- Class 3 Food Flop
- Class 4 Educational Exhibit
- Class 5 Food Gift Package

LEVEL II (age: 9-11)

- Class 10 Non-perishable Food Product
- Class 11 Modified Non-perishable Food Product
- Class 12 Food Flop
- Class 13 Educational Exhibit
- Class 14 Food Gift Package

LEVEL III (age: 12-13)

- Class 20 Non-perishable Food Product
- Class 21 Modified Non-perishable Food Product
- Class 22 Food Flop
- Class 23 Educational Exhibit
- Class 24 Food Gift Package

LEVEL IV (age: 14 and over)

- Class 30 Non-perishable Food Product
- Class 31 Modified Non-perishable Food Product
- Class 32 Food Flop
- Class 33 Educational Exhibit
- Class 34 Food Gift Package

G&W Foods – Overall Champion Food Preparation – Trophy

In Memory of Doris Fink – Overall Champion Food Preparation - \$10.00

G&W Foods – Overall Reserve Champion Food Preparation - Trophy

In Memory of Doris Fink – Overall Reserve Champion Food Preparation - \$10.00,

Jim and Martha Scott, In Honor of their daughter Sarah Scott Punch – Top Breads/Cereal Group Level IV - \$10.00

Jim and Martha Scott, In Honor of their daughter Sarah Scott Punch – Top Breads/Cereal Group Level III - \$10.00

Henry and Doris Ericson – Top Breads/Cereal Group Level II - \$5.00

In Memory of Doris Fink – Top Breads/Cereal Group Level I - \$5.00

Rogers Body Shop – Top Yeast Bread Level IV - \$10.00
 Rogers Body Shop – Top Yeast Bread Level III - \$10.00
 Rogers Body Shop – Top Yeast Bread Level II - \$10.00
 Rogers Body Shop – Top Yeast Bread Level I - \$10.00
 John and Karen Coyan – Top Food Gift Package Level IV - \$10.00
 John and Karen Coyan – Top Food Gift Package Level III - \$10.00
 John and Karen Coyan – Top Food Gift Package Level II- \$10.00
 John and Karen Coyan – Top Food Gift Package Level I - \$10.00
 In Memory of Goldie Coberly – First place Fruit Pie - \$5.00
 In Memory of Goldie Coberly – Second Place Fruit Pie - \$3.00
 In Memory of Goldie Coberly – Third Place Fruit Pie - \$2.00



Red Star Yeast – Top exhibits in Yeast Breads Level II, III and IV- Prizes. To be eligible to win Red Star Yeast prizes contestants must use Red Star Yeast and attach an empty packet or photo to their recipe entry. All exhibits in food preparation will receive yeast and coupons.

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

FOOD PRESERVATION:

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Food and Nutrition project.
3. May enter one entry in each class.
4. All exhibits must have been preserved in the current 4-H year.
5. Recommended recipes and processing methods must be used. Recipes must be from 1995-present. Processing methods that will be disqualified include: open kettle canning, oven canning, sun canning, microwave, and electric pressure cooking. Untested recipes will be disqualified for food safety reasons.
6. Each exhibit must have the complete recipe and instructions attached with the entry card. Recipe must include recipe source, date of publication and altitude of residence.
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 jars.
8. Alcohol is not allowed as an ingredient in food preservation.
9. Dried Products: 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 cooked to an internal temperature of 160 degrees F before or after drying.
10. Labeling: The Extension office will provide labels to 4-H'ers. Each jar exhibited should be labeled with the following: class number, product, altitude of residence, canning method (water bath, weighted gauge or dial gauge pressure method), and process time, pressure (psi), date processed including month and year, name, and county/district. The label should be placed one inch from the base of the plain face of the jar and must not cover brand name.
11. All preserved foods will be kept for display.

- Class 39 Sweet Spreads (fruit and/or vegetables), syrups; one jar
- Class 40 Fruits, Juices, Fruit mixtures (salsa, pie filling, etc.); one jar
- Class 41 Tomato/Tomato Products (tomato juice and tomato salsas, etc.); one jar
- Class 42 Low Acid Vegetables (green beans, corn, etc. or vegetable mixtures); one jar
- Class 43 Pickles (fruit or vegetable, fermented foods, relishes and chutney); one jar

- Class 44 Dried Meats; one jar
Class 45 Dried Foods; one small jar

Starlite FCE – Overall Champion Preserved Foods - \$5.00

Henry and Doris Ericson – Overall Champion Preserved Foods - \$5.00

John and Karen Coyan – Overall Reserve Champion Preserved Foods - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H GEOLOGY

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk Jr., Brenna Popp, Sierra Wright

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Geology project.
3. Entries must be exhibited in a Plexiglas covered box 18" x 24" x 3 1/2". Plexiglas covers are required and must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used.
4. Label box with name, district and number of specimens in the upper left hand corner of the Plexiglas 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).
5. Specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected. All specimens for classes 405-408 must be from Kansas.
6. For classes 405-408, specimens should be mounted in the box by the 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 formation. Specimen label must show the distinction.
7. All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep.

- Class 400 Beginning I: Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. Exhibitor is limited to one exhibit box.
- Class 401 Beginning II: Display at least 30 different rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current year. Exhibitor is limited to one exhibit box.
- Class 402 Intermediate: Display at least 45 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current year. Exhibitor is limited to two exhibit boxes. Identify the rocks as igneous, metamorphic, or sedimentary. These rock types must be spelled out on labels or have a legible key.
- Class 403 Advanced: Display at least 60 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current year. Exhibit limited to two boxes. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- Class 404 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.
- Class 405 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 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.

LAPIDARY CLASSES

The lapidary classes 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.

- Class 406 Lapidary. Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of “before and after”, nor do they have to be self-collected. Locales must be identified. Only those exhibiting lapidary at the State Fair for the first time may exhibit in this class.
- Class 407 Lapidary. Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-H'er collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year.
- Class 408 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'er, at least one of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- Class 409 Lapidary. Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H'er, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.
- Class 410 Lapidary. Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

Special lapidary exhibits should be entered in class 5304. Please note that each member is limited to one entry in this class.

Bandera Stone – Overall Reserve Champion - \$5.00
DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H HOME ENVIRONMENT

Superintendents: Jennifer Carnes, Jessica Carnes

Assistant Superintendents: Madelynn Ard, Gwenyth Fry, Alexa Fuhrman, Harmony Shaw

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Home Environment project.
3. Educational poster, display or notebooks may include swatches, colors, stories, photographs, and project records which detail what was accomplished this year with a given indication of long-term plans. See 4-H general rule #10 for educational poster, display, and notebooks and rule #11 for copyright laws.

Class 130 Single Exhibit: An article made or refinished by the 4-H member for the home. Attach a 3"x5" index card explaining how the item was made or refinished, costs involved and how it fits into the color and design of the room.

Class 131 Educational Poster or Display: Posers must be no larger than 22"x28" poster board. Displays are not to exceed a standard commercial 3"x4" tri-fold display board

Class 132 Notebook

Flowers by Leanna – Overall Champion - \$10.00 Gift Certificate

Uppa Creek Ranch – Overall Reserve Champion - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H MISCELLANEOUS

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk, Jr., Brennan Popp, Sierra Wright

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the project related to the exhibit.
3. Notebooks will be judged on completeness, quality of work and neatness.
4. Educational Exhibits: See 4-H General Rules #10 for exhibit details and Rule #11 for copyright guidelines.
5. Member may make 2 entries in the Self Determined Class 531, but each entry must be listed separately on the fair entry form.
6. Miscellaneous Classes are not Kansas State Fair eligible.

CITIZENSHIP

Class 520 Citizenship Display

Class 521 Citizenship Poster

Class 522 Citizenship Notebook

CLUB OFFICERS

Class 523 Club Officer's Notebook; must be current year.

HEALTH AND WELLNESS

- Class 524 Health and Wellness Display - Must pertain to some phase, result, story or information about the health and wellness project (bicycle, health & fitness, outdoor adventure, and recreation).
- Class 525 Health and Wellness Poster - Must promote Health and Wellness: Bicycle, Health & Fitness, Outdoor Adventure, and Recreation
- Class 526 Health and Wellness Notebook – Contents must pertain to some phase, result, story or information about the Health and Wellness project.

LEADERSHIP

- Class 527 Leadership Display
- Class 528 Leadership Poster
- Class 529 Leadership Notebook

READING NOTEBOOK

- Class 530 Reading Notebook; use book report forms which can be picked up at the Extension Office or downloaded from the Southwind District website www.southwind.ksu.edu Fairs/Bourbon County.

SELF DETERMINED

- Class 531 Self Determined: Exhibit from a 4-H project which cannot be exhibited in any other class. May be an actual item or educational exhibit. A member may make 2 entries in this class, each exhibit must be listed on the fair entry form.

CONSERVATION

- Class 532 Soil or Water Conservation Educational Exhibit– Contents must pertain to some phase, result, story or information about Soil or Water Conservation

Bandera Stone – Overall Champion Citizenship Exhibit - \$10.00
Ag Realty – Overall Reserve Champion Citizenship Exhibit - \$5.00
Fort Cinema – Overall Champion Club Officer's Notebook – Movie Pass
Ag Realty – Overall Reserve Champion Club Officers Notebook - \$5.00
Fort Cinema – Overall Champion Health and Wellness Exhibit - Movie Pass
Pat and Janet Murphy Family – Overall Reserve Champion Health and Wellness Exhibit - \$5.00
Thursday Night Live FCE – Overall Champion Leadership Exhibit - \$10.00
Thursday Night Live FCE – Overall Reserve Champion Leadership - Exhibit - \$5.00
First United Methodist Church Reading Group – Overall Champion Reading Notebook - \$10.00
Rogers Body Shop – Overall Reserve Champion Reading Notebook - \$5.00
Fort Cinema – Overall Champion Self Determined Exhibit - Movie Pass
Fort Cinema – Overall Reserve Champion Self Determined Exhibit - Movie Pass
Bourbon County Conservation District – Overall Champion Soil or Water Conservation Educational Exhibit - \$50.00
Bourbon County Conservation District – Overall Reserve Champion Soil or Water Conservation Educational Exhibit - \$20.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H PHOTOGRAPHY

Superintendents: Shirley Palmer, Ron Palmer, Rachel Wagner

Assistant Superintendents: Dylan Hazelbaker, Alexis Marchiano, Libby Schaaf

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Photography project.
3. Each exhibitor will be limited to two entries. Each entry must be listed separately on the fair entry form.
4. Photographs exhibited should be the result of the current year's project work.
5. 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 photography exhibit at the fair.
6. 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.
7. Copyright protections must be observed, see 4-H general Rules #11.
8. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, 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.
9. Digital Composite Image: Finished photo must be created from two or more originals taken by the exhibitor. Exhibitor must include a second 11x12 ½ matte board (Explanation Board) mounted with standard size prints of the original photos, 3x5 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 district on the front of the second board.
10. Remove white border from the photo print before mounting.
11. No lettering, including dates, is permitted on the front of the mount or on the photo.
12. A permanent mount with photographic adhesive is required. No underlay or borders are to be used.
13. **MOUNTING INSTRUCTIONS:** Mounting boards may be purchased in the Extension office. Photos must be no larger than 8"x 10" and no smaller than 7"x 9".
14. Photos are to be mounted across the narrow 11-inch dimension of an 11"x 12 ½ " sheet of white studio mount with the top edge of the print one inch below the top of the mount, and with the sides of the print equal distance from the two sides of the mount. Incorrect mounting will result in a ribbon lowering.
15. On back of the mount write; the exhibitor's name, location where the photograph was taken, full district name and county.
16. After judging, photos will be placed in a plastic sleeve provided by the Extension Office. This will protect the photo from dust and moisture.

Class 378 Color, Black and White, or Digital photos taken by 4-H'er with 7 years or less in the project.

Class 379 Color, Black and White, or Digital photos taken by 4-H'er with 8 years or more in the project.

Captured Images Photography – Overall Champion - \$50.00 Gift Certificate for a photo session

Bandera Stone – Overall Reserve Champion - \$5.00

Roy and Letha Johnson – Top exhibit in class 378 and class 379 - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H PLANT SCIENCE

Superintendent: Ashley Endicott

Assistant Superintendents: Abbigail Collins, Jewel Endicott

FIELD CROPS

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Plant Science project.

3. **Entries must be identified by hybrid or variety name when listed on the fair entry form.**
4. Purple ribbon exhibits meeting the age requirement may enter exhibits at the Kansas State Fair.

- Class 192 10 ears White Corn
 Class 193 10 ears Yellow Corn
 Class 194 10 heads Forage Sorghum
 Class 195 10 heads Grain Sorghum,
 Class 196 Soybeans: Bundle of 5 plants (with roots intact)
 Class 197 Wheat, one gallon
 Class 198 Alfalfa Hay one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be 6 inches in thickness and tied in 2 directions.
 Class 199 Other crops: Barley, Oats (one gallon)

HORTICULTURE

1. See 4-H General Rules
2. 4-H exhibitors must be enrolled in the Plant Science project.
3. All horticultural exhibits must be grown by the exhibitor.
4. Secure entry form to plate or container with string or tape. Use a sturdy plate, bowl or container that will support the weight of the produce.
5. Shelled vegetables should not be exhibited. Quality and condition of exhibit will be considered. Choose vegetables for exhibit that will hold up well during the fair. Avoid over-ripe or over-mature specimens. Those that are slightly under-ripe or slightly immature when picked may last longer.
6. Purple ribbon exhibits meeting the age requirement may enter exhibits at the Kansas State Fair.

Class 200 Garden Display: 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 numbers of the five types of vegetables or fruits to be exhibited are as follows:

- **Large Vegetable (One each):** Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Squash, Watermelon.
- **Medium Vegetables (Five each):** Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Sweet Potatoes, Tomatoes, or other similar sized vegetable.
- **Small Vegetables (Twelve Each):** Green Snap Beans, Wax Beans, English Peas, Radishes or other similar sized vegetables.
- **Small Fruits (one half pint box):** Strawberries, Blackberries, Raspberries or other similar sized fruits
- **Tree Fruits (5 each):** Apples, Pears, Peaches or similar sized fruits.
- **Grapes:** 2 bunches

- Class 201 Plate of 5 Tomatoes
 Class 202 Plate of 5 Onions
 Class 203 Plate of 5 Peppers
 Class 204 Plate of 5 Carrots
 Class 205 Potatoes (five of one variety)
 Class 206 Plate of 12 Snap beans
 Class 207 Plate of 5 Beets
 Class 208 Small Fruits (one half pint box) ex. strawberries, blackberries, raspberries, or other similar sized fruits. (If other, please include name of fruit on entry).
 Class 209 Tree Fruits (plate of 5) ex. Apples, pears, peaches, or similar sized fruits.
 Class 210 Grapes (plate of 2 bunches)

- Class 211 Other not listed: (1) large vegetable, (5) medium vegetables or (12) small vegetables. A member may make 2 entries in this class.
- Class 212 Fresh Culinary Herbs (6) ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.
- Class 213 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-Hers 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.

FLORICULTURE

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Plant Science project.
3. All floral materials must be grown and/or collected by the exhibitor. Do not use purchased plant materials.
4. Members are encouraged to exhibit cut flowers and fresh floral arrangements in disposable containers.
5. Entries should not take over one square foot of table space.
6. Potted plants and hanging entries are not accepted.
7. All entries must be freestanding, easily moved, and not require any special equipment to display.
8. Purple ribbon exhibits meeting the age requirement may enter exhibits at the Kansas State Fair.

Class 214 Annual or Perennial Garden Flower, cut specimen, single stem.

Class 215 Fresh Flower Arrangement

Class 216 Dried Flower Arrangement, no fabric or plastic material allowed.

FORESTRY

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Plant Science project.
3. All leaf exhibits are to be mounted on 8 ½" x 11" heavy stock papers and placed in loose-leaf binder. Magnetic or adhesive filler sheets for photographic prints are recommended. Twigs and fruit collections may be exhibited in whatever manner you choose. Maximum exhibit size 2' x 3'.
4. Name, club, age and year in project should be on front cover or in a prominent location.
5. Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) The proper common name, "List on Native Kansas Forest Trees; (2) Location (city and/or county) where collected; (3) date (day, month year) collected.
6. Divide into two sections: Native Kansas trees and Non-Native Trees.
7. Purple ribbon exhibits meeting the age requirement may enter exhibits at the Kansas State Fair.

Beginning (Choose A or B)

Class 415 A Exhibit a minimum of 10 different leaves from native Kansas trees collected within the year. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

Class 415 B Exhibit a minimum of 5 native Kansas trees showing leaf, twig and fruit from each species collected.

Intermediate (Choose A or B)

Class 416 A Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas

trees. Exhibit can include nonnative leaves in addition to the required number of leaf specimens collected from native Kansas trees.

Class 416 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.

Senior (Choose A or B)

Class 417 A Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include nonnative leaves in addition to the required number of leaf specimens collected from native Kansas trees.

Class 417 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.

Advanced (Choose A or B)

Class 418 A Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. Exhibit can include nonnative leaves in addition to the required number of leaf specimens collected from native Kansas trees.

Class 418 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.

How a Tree Grows

Class 419 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

Class 420 Display: Entry may include a research or reporting project notebook with no more than 10 pages based on the exhibitor's selected tree. This notebook may include sketches, drawings, pictures, a story, or any other things which will help tell about the tree you have selected.

DIVISION B – SENIOR FORESTER

Growing and Protecting Trees

Class 421 Display: Entry requires project notebook telling about project and pictures before, during, & after planting seedlings. Maximum tri-fold size is 3' x 4'.

Tree Culture

Class 422 Display: Entry requires project notebook showing your project work and includes pictures of before, during and after wood lot improvement. Maximum tri-fold size is 3' x 4'.

How Forests Serve Us

Class 423 Display: Entry may include collected wood samples (all or partial) and 500 word essay. Wood sample display to be mounted on poster board or any stiff material no larger than a 3' x 4' tri-fold. Essay should be displayed in a covered binder.

Educational/Creative Exhibit

Class 424 Display: Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials that will withstand State Fair conditions. This is a good class to exhibit an unusual collection.

Fort Cinema – Overall Champion Field Crop Exhibit – Movie Pass
Ag Realty – Overall Reserve Champion Field Crop Exhibit - \$5.00
Rogers Body Shop – Overall Champion Horticulture Exhibit - \$10.00
Rogers Body Shop – Overall Reserve Champion Horticulture Exhibit - \$5.00
Sheila Blubaugh – Overall Champion Floriculture Exhibit - \$10.00
Sheila Blubaugh – Overall Reserve Champion Floriculture Exhibit - \$5.00
Fort Cinema - Overall Champion Forestry Exhibit - Movie Pass
Dean and Gail Bailey – Overall Reserve Champion Forestry Exhibit - \$5.00
DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H SHOOTING SPORTS

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk Jr., Brennan Popp, Sierra Wright

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the 4-H Shooting Sports project.
3. Educational Exhibits: See 4-H General Rules #10 and #11 for exhibit details
4. **EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS AND 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 the Bourbon County Fair Board Association, the department of 4-H Youth Development, nor Kansas State University Research and Extension are liable for the loss or damage of any personal property included as part of your poster, display or notebook.
5. **All entries, promotional posters, educational displays and notebooks are to incorporate the 4-H Clover and KSRE braiding with Kansas 4-H Shooting Sports emblem. The Kansas 4-H Shooting Sports logo can be found on the 4-H Shooting Sports web page <http://www.kansas4-h.org/projects/agriculture-and-natural-resources/shooting-sports/index.html>.**
6. Exhibits will not be accepted if they are related to reloads.
7. Purple ribbon exhibits meeting age requirements may be exhibited and judged at the Kansas State Fair.

- Class 592 Educational Display - Must be directly related to the 4-H Shooting Sports Project (standard tri-fold boards only, no larger than 3' x4').
- Class 593 Promotional Poster – Must promote 4-H Shooting Sports (maximum size 8 ½ x 11).
- Class 594 Notebook – Contents pertain to some phase, results, story or information about 4-H Shooting Sports.

Uppa Creek Ranch – Overall Champion 4-H Shooting Sports Exhibit - \$5.00
Dean and Gail Bailey – Overall Reserve Champion 4-H Shooting Sports Exhibit - \$5.00
DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H SPACE TECH

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk Jr., Brennan Popp, Sierra Wright

ASTRONOMY

1. See 4-H General Rules.
2. 4-H exhibitor must be currently enrolled in the 4-H Space Tech 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.
4. 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.
5. 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.
6. 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.
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 on the telescope stand, educational display, notebook, and/or poster.

Class 432 Telescope made from kit

Class 433 Telescope made from original design

COMPUTERS

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the 4-H Space Tech 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.
4. Exhibitor's name, county or district, 4-H age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. If the notebook illustrates the creation, talks about, or shows the result of an app, application, executable, program, or other compiled /interpreted "source code," a copy of the source code should be included. (In other words if you created an app for a smart phone and you're illustrating that app, you should include the code you used to build the app). Failure to include a copy of the "source code" may result in up to one ribbon place deduction.

Computer Systems

The Kansas 4-H Space Tech 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”X4”X4”) 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 display cases.
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 reticulated structures (arms, wheels, grippers, etc.) which the exhibitor constructed, can be classified as a robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in the 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 Space Tech 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 (those entries not covered by the rules above) 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-Hers name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
 - c. 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-Her’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.
 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 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. It is recommended that 4-Hers 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, (like a grandparent) use the USB drive with a computer similar to what is described in rule 9 below. An example of instructions can be found at www.KansasSpaceTech.com.
 12. Each exhibit must accomplish a specific automated task using a computer, a chip system, or virtual machine (VM).
 13. 4-Hers should not assume that the computers in rule 9 have Internet connectivity and that any parts of the exhibit that require Internet access will not work. It is strongly recommended that 4-Hers test exhibits on a computer with Internet connectivity disabled.
 14. Kansas 4-H Space Tech 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-Hers are not required to use the VMs in their projects. They are optional.
 15. 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.
 16. The creation of viruses, malware, malicious applications or code, defamatory language or graphics, bullying, or any material that is “mean,” “dangerous,” or harmful according to the judge’s opinion will result in the exhibit being disqualified.
 17. Pictures or still graphics created are not eligible for entry as a project in this division, and should be entered in the appropriate photography division.
 18. 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 B – Computer Systems

- Class 434 Computer program, application, app, script, or coded system that is new and unique (not merely a file run in a program, such as a ‘word document’ or a picture drawn in ‘Microsoft Paint.’)
- Class 435 Computer presentation (power point, web page/site, animated graphics, etc.)
- Class 436 Single computer system (web server, database server, etc.)
- Class 437 Networked system consisting of two or more computers
- Class 438 Chip system – a small (4”X4”X4”) (programmed physical device that accomplishes a specific task

ROBOTICS

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Kansas 4-H Space Tech project to exhibit in this division.

3. Each exhibitor may enter one robot per class. Exhibit must have been constructed and/or completed during the current 4-H year.
4. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited.
5. Robots must have automated reticulated 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 projects as the skill is focused on the programming not on the construction of the robot.
6. 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.
7. 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.
8. 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.
9. 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.
10. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
11. Each robot must be in operable working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete the required tasks for this current 4-H year. 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.
12. Each exhibitor is required to complete the "4-H Space Tech Robotics Exhibit Information Form" which is available through your local K-State Research and Extension office. This form must be attached to the outside of a 10" x 13" manila envelope.
13. 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 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 Space Tech robotics project if the exhibitor so chooses. No exhibitor will be allowed to set up their robot in person.
14. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device's safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.
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 Space Tech Robotics team. Each team member must be currently enrolled in the Kansas 4-H Space Tech project.

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

- Class 439 Robot made from a commercial (purchased) kit.
- Class 440 Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 441 Programmable robot made from a commercial (purchased) kit.
- Class 442 Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote controlled device
- Class 443 Junk Drawer Robotics-based curriculum robot

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

- Class 444 Robot made from a commercial (purchased) kit.
- Class 445 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 446 Programmable robot made from a commercial (purchased) kit.
- Class 447 Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote controlled device.
- Class 448 Junk Drawer Robotics-based curriculum robot

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

- Class 449 Robot made from a commercial (purchased) kit
- Class 450 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan
- Class 451 Programmable robot made from a commercial (purchased) kit.
- Class 452 Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote controlled device.
- Class 453 Junk Drawer Robotics-based curriculum robot

DIVISION D – Team Robotics Project

- Class 454 Robot designed and constructed by two or more 4-H Space Tech 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 Space Tech 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.

ROCKETRY

The Kansas 4-H Space Tech 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.

A. Exhibit Information for ALL rocketry categories:

1. All revisions of all forms previously released for the Space Tech 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.

B. 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) exciding 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 a ‘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 Newton’s
 - 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.

C. 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” or the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
4. 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.
5. 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.
6. One or more photographs of the rocket during 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 exhibitor 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.
7. 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.
8. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.
9. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be dis qualified.
10. 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.
11. Flight damage is to be documented by the participant on either the construction plans or the 4-H Space Tech Rocket Exhibit Information Form.
12. 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.
13. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
14. 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.
15. 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.
16. 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.
 17. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
 18. 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.

D. Construction Rule 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. Through 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 instructions. 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. However, foam may not be used for external body or other external rocket parts.
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. Non-standard 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’er to display maximum creativity in the finishing of their rocket. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the model from one ribbon placing to another.

15. “Scale models” may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
16. Scale Model Rockets are to be finished and completed with a majority (greater than 70%) of decals.
17. If a modification is made to the rocket, for example, adding a fin, a swing test must be conducted on the rocket, and the documentation provided. Failure to test and document flight stability following modifications will result in two ribbon placing deductions.

E. Model Rocketry Specific Guidelines (ages 9 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 top of 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.

F. 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. Up to 4 additional pages can be added to the rocketry information pack detailing the test(s) performed to insure stability. 4-Her’s are strongly encouraged to provide as much detail as possible. Failure to provide adequate written documentation will result in a disqualification.

Division A -Exhibitors 9 through 13 years old

Class 455 Rocket made from kit. Include plans.

Division B -Exhibitors 11 through 13 years old (9-10 year olds may not enter in this class)

Class 456 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

Division C -Exhibitors 14 years and older

Class 457 Rocket made from kit. Include plans.

Class 458 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

Class 459 Rocket designed by exhibitor: that uses alternative skins; not merely a modification of an existing kit. Include original plans.

Division D -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 product.

Class 460 Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

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

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high/mid power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://www.kansas4-H.org/>. Click on KSF Packet link.
4. Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.
5. The NAR Model Rocket Safety code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current year. However in the event that there is a modification in this code the Space Tech 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 as defined above ('H' or 'I' engines) may not be launched in this division.
8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information.
9. Mid- Power rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division E- Exhibitors 14 years and older

Class 461 Mid-power rocket made from kit or original design.

High Power Rocketry ('H' or 'I' engines) 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 <http://www.Kansas4-H.org/>. Click on KSF Packet link.

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

Division F -Exhibitors 14 years and older

Class 462 High power rocket made from kit or original design.

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. UASs are commonly known as Unmanned Aerial Vehicles (UAVs) or drones. 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 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 district should select only top blue or purple ribbon exhibits which meet State Fair guidelines.
3. The information that accompanies the UAS must be limited to the 4-H Space Tech 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.
5. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
7. Unmanned Aerial Systems that include or depict weaponry of any kind will be disqualified.
9. If modifications are made to the exhibit a page should be attached noting those modifications.

Division A – Junior: 9-13 years old

Class 463 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.

Class 464 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, and

display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

Division B – Senior: 14 years and older

- Class 465 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.
- Class 466 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 and display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

EDUCATIONAL EXHIBITS – POSTERS, NOTEBOOKS AND DISPLAY BOARDS:

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

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits in posters, notebooks and display boards may not be just a static project, but must contain substantial supporting educational materials in the form of posters, notebooks, or display boards, etc.
3. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have 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 may have crashed and/or is highly damaged that can't be launched again may be made into an educational display or poster that tells a great story with many lessons learned.
4. Follow copyright laws, citing all sources of information in a standard notation on the "4-H Educational Rocketry Exhibit Information Form." Additional pages can be added inside the Information Packet and should be labeled "Citations." Sources of scientific information must be cited on the front of your exhibit, including all posters and educational display boards.
5. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card board table exhibits will be allowed. Care should be taken to use durable materials that will withstand fair conditions.
6. "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.
7. Educational Project notebooks must be organized in a 3-ring binder.
8. Educational posters must be no larger than a 20" X 30" poster board. Exhibitors are encouraged to laminate all posters and diagrams or cover them with clear plastic film. Any three dimensional display exhibits may not be thicker than 1".
9. Engines and igniters in rockets ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
10. 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 education displays and/or posters the exhibitor's name, county, or district, age, and year(s) in project must be tagged or labeled on the back of

the exhibit. Failure to label an exhibit may result in one ribbon placing deduction.

11. Exhibits should possess the following qualities (in no particular order):
 - a. A Central theme
 - b. What you want others to learn
 - c. Be designed and constructed in a manner befitting the exhibit
 - d. Be something you are interested in
 - e. Be related to Computer systems, Robotics, Rocketry, or Unmanned Aerial Systems
 - f. And those characteristics described above.

ASTRONOMY – Exhibitors age 7-13 years old

- Class 467 Junior Astronomy Educational Display
- Class 468 Junior Astronomy Educational Notebook
- Class 469 Junior Astronomy Educational Poster

ASTRONOMY – Exhibitors age 14 years and older

- Class 470 Senior Astronomy Educational Display
- Class 471 Senior Astronomy Educational Notebook
- Class 472 Senior Astronomy Educational Poster

ROCKETRY DIVISION F – Exhibitors 7-13 years old

- Class 473 Rocketry Educational Display
- Class 474 Rocketry Educational Notebook
- Class 475 Rocketry Educational Poster

ROCKETRY DIVISION G – Exhibitors 14 years and older

- Class 476 Rocketry Educational Display
- Class 477 Rocketry Educational Notebook
- Class 478 Rocketry Educational Poster

ROBOTICS DIVISION A - Novice – One to Two Years in Robotics Project

- Class 479 Robotics Educational Display
- Class 480 Robotics Educational Notebook
- Class 481 Robotics Educational Poster

ROBOTICS DIVISION B – Intermediate – Three to Four Years in Robotics Project

- Class 482 Robotics Educational Display
- Class 483 Robotics Educational Notebook
- Class 484 Robotics Educational Poster

ROBOTICS DIVISION C – Professional – Five or More Years in Robotics Project

- Class 485 Robotics Educational Display
- Class 486 Robotics Educational Notebook
- Class 487 Robotics Educational Poster

ROBOTICS DIVISION D – Team Robotics Project

- Class 488 Team Robotics Educational Display
- Class 489 Team Robotics Educational Notebook
- Class 490 Team Robotics Educational Poster

COMPUTERS – Junior Division 7-13 years old

Class 491 Junior Computer Educational Display
Class 492 Junior Computer Educational Notebook
Class 493 Junior Computer Educational Poster

COMPUTERS – Senior Division 14 years and older

Class 494 Senior Computer Educational Display
Class 495 Senior Computer Educational Notebook
Class 496 Senior Computer Educational Poster

UNMANNED AERIAL SYSTEMS – Junior Division 7-13 years old

Class 497 Junior Unmanned Aerial Systems Educational Display
Class 498 Junior Unmanned Aerial Systems Educational Notebook
Class 499 Junior Unmanned Aerial Systems Educational Poster

UNMANNED AERIAL SYSTEMS – Senior Division 14 years and older

Class 500 Senior Unmanned Aerial Systems Educational Display
Class 501 Senior Unmanned Aerial Systems Educational Notebook
Class 502 Senior Unmanned Aerial Systems Educational Poster

Pat and Janet Murphy Family – Overall Champion Astronomy Exhibit - \$10.00
Pat and Janet Murphy Family – Overall Reserve Champion Astronomy Exhibit - \$5.00
Rogers Body Shop – Overall Champion Computer Systems Exhibit - \$10.00
Rogers Body Shop – Overall Reserve Champion Computer Systems Exhibit - \$5.00
Rogers Body Shop – Overall Champion Robotics Exhibit - \$10.00
Rogers Body Shop – Overall Reserve Champion Robotics Exhibit - \$5.00
Seth Simpson – Overall Champion Rocketry Exhibit - \$10.00
Seth Simpson – Overall Reserve Champion Rocketry Exhibit - \$10.00
Fort Cinema – Overall Champion Unmanned Aerial Systems Exhibit – Movie Pass
Pat and Janet Murphy Family – Overall Reserve Champion Unmanned Aerial Systems Exhibit - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H VISUAL ARTS

Superintendents: Jennifer Carnes, Jessica Carnes

Assistant Superintendents: Madelynn Ard, Gwenyth Fry, Alexia Fuhrman, Harmony Shaw

1. 4-H exhibitors must be enrolled in the Visual Arts project.
2. A member may make two entries in each class, but each entry must be listed separately on fair entry form.
3. Classes will be divided by age groups:
 - A) Age 7-8
 - B) Age 9-13
 - C) Age 14 and older.
4. Multi-piece items should be marked accordingly.
5. All exhibits which need to be hung must have a wire or saw tooth hanger attached (no string or tape) in order to be properly displayed.
6. No plants or plant materials needing watering can be entered as an art display or item.
7. All exhibits are entered at your own risk.
8. Judges will select number of required exhibits to be displayed at the Kansas State Fair.

A) AGE 7-8

- Class 139 A Beaded Craft
- Class 140 A Simple Creative Craft, from no-cost material
- Class 141 A Sketching, Drawing, and Painting
- Class 142 A Carving and Woodcraft
- Class 143 A Pottery, hand-built, clay, dough, etc.
- Class 144 A Ceramics
- Class 145 A Leather
- Class 146 A Fabrics, Fibers, and Stitchery
- Class 147 A Miscellaneous
- Class 148 A Decorated Clothing

B) AGE 9-13

- Class 139 B Beaded Craft
- Class 140 B Simple Creative Craft, from no-cost material
- Class 141 B Sketching, Drawing, and Painting
- Class 142 B Carving and Woodcraft
- Class 143 B Pottery, hand-built, clay, dough, etc.
- Class 144 B Ceramics
- Class 145 B Leather
- Class 146 B Fabrics, Fibers, and Stitchery
- Class 147 B Miscellaneous
- Class 148 B Decorated Clothing

C) Age: 14 and older

- Class 139 C Beaded Craft
- Class 140 C Simple Creative Craft, from no-cost material
- Class 141 C Sketching, Drawing, and Painting
- Class 142 C Carving and Woodcraft
- Class 143 C Pottery, hand-built, clay, dough, etc.
- Class 144 C Ceramics
- Class 145 C Leather
- Class 146 C Fabrics, Fibers, and Stitchery
- Class 147 C Miscellaneous
- Class 148 C Decorated Clothing

Sheila Blubaugh – Overall Champion age 14 and older - \$10.00

John and Judy Renard – Overall Champion age 14 and older - \$5.00

Sheila Blubaugh – Overall Reserve Champion age 14 and older - \$5.00

John and Judy Renard – Overall Reserve Champion age 14 and older - \$5.00

Sheila Blubaugh – Overall Champion 9-13 years of age - \$10.00

John and Judy Renard – Overall Champion 9-13 years of age - \$5.00

Sheila Blubaugh – Overall Reserve Champion 9-13 years of age - \$5.00

John and Judy Renard – Overall Reserve Champion 9-13 years of age - \$5.00

Sheila Blubaugh – Overall Champion 7-8 years of age - \$10.00

John and Judy Renard – Overall Champion 7-8 years of age - \$5.00

Sheila Blubaugh – Overall Reserve Champion 7-8 years of age - \$5.00

John and Judy Renard – Overall Reserve Champion 7-8 years of age - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H WILDLIFE

Superintendent: Destiny Foulk

Assistant Superintendents: Joe Foulk Jr., Brennan Popp, Sierra Wright

1. See 4-H General Rules
2. 4-H exhibitor must be enrolled in the Wildlife project.
3. **EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS.** It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds. Game birds and game animals taken legally during an open season may be used. The use of live wild animals in educational exhibits is prohibited.
4. Bourbon County Fair Association, 4-H Youth Development and Kansas State Research and Extension are not responsible for damage during the exhibition period.
5. Name, county/district, age and year in project should be in a prominent location on the exhibit.

- Class 595 Notebook - Contents must pertain to some phase, results, story or information about the wildlife project.
- Class 596 Promotional Poster - Must be related to something learned in the wildlife project (flat poster board or foam board no larger than 22"x28")
- Class 597 Educational Display - Must be directly related to the wildlife project. Maximum tri-fold size is 3'x4'.
- Class 598 Taxidermy/Tanning Exhibit - Should include an attachment that shows the work in progress through photos with captions, or a detailed journaling of the process.

Dean and Gail Bailey – Overall Champion Wildlife Exhibit - \$10.00

Dean and Gail Bailey – Overall Reserve Champion Wildlife Exhibit - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H WOODWORKING

Superintendent: Beth Snyder

Assistant Superintendents: Brooklyn Pruitt, Carsen Wunderly

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Woodworking project
3. All articles must be completely finished.
4. A card attached should include a list and cost of materials used, plus amount of time spent constructing and finishing the article.
5. 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.
6. Entry card, plans and all other paperwork should be secured to the project in some manner. It is recommended to use a zip top plastic bag with a hole punched through it and using string to tie this to the exhibit.
7. Projects made from pre-cut kits are not allowed.
8. Purple ribbon exhibits meeting age requirements may be exhibited and judged at the Kansas State Fair. Exhibitors with large items will be responsible for taking and picking up exhibits from the State Fair.

- Class 219 Article for Farm or Shop use
- Class 220 Furniture for Household or Lawn use
- Class 221 Other Woodwork Articles, not included in above classes. Example: bird houses, bird feeders, household equipment such as knife racks, bread boards, door stops, etc.

Uppa Creek Ranch – Overall Champion - \$10.00

Starlite FCE – Overall Reserve Champion - \$5.00

Roy and Letha Johnson – Top exhibit in class 216, class 217 and class 218 - \$5.00

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H/FFA ANIMAL/LIVESTOCK EXHIBITS

1. See 4-H General Rules.
2. All animals must be owned by the member showing them, with the exception of horse.
3. Members 19 years of age before January 1 of the current year are not eligible to show livestock.
4. All electrical tools and appliances used in the barns should either be grounded or double insulated. Household two wire fans or two wire radios are not grounded or double insulated and will not be allowed in the barns.
5. All extension cords used in the barns should bear a UL label for outdoor use.
6. Damaged or spliced electrical cords should not be used.
7. Keep all cords off the ground so they will not be damaged by foot traffic.
8. Keep cords, fans, and clippers away from water.
9. Pee Wee Showmanship is a Non-competitive class for youth age 7 and under.

LIVESTOCK WEIGHING COMMITTEE

1. Market animals will be weighed Monday, July 15, in the following order.
 - 5:00 p.m. – Beef
 - 6:00 p.m. – Goats
 - 6:30 p.m. – Sheep
 - 7:00 p.m. – Swine
2. **Re-weighs will be handled in the following manor:** If a re-weigh is needed, the animal will be taken off the scales, the scales balanced, and then the animal will be weighed again. The animal cannot leave the weigh-in area and no animal will be allowed on the scales in between.

Livestock Weighing Committee: John Ericson, Kathy George, Larry Martin, Doug Simpson, Lori Stephens.

JUNIOR LIVESTOCK SALE

Friday, July 19, 7:00 p.m. on the Bourbon County Fairgrounds

2019 Sale Order: Meat Goat, Swine, Beef and Sheep.

1. All exhibitors of Market Beef, Meat Goats, Market Lamb, and Market Swine are welcome to sell their animals Friday evening.
2. Only bonafide 4-H or FFA members are eligible to sell.
3. A Disposition Form must be completed and returned to Fair Office by 4:00 p.m. on Thursday July 18.
4. Each 4-H or FFA member can sell a maximum of two animals at the sale, but no more than one animal

per species (ex. one beef and one hog, one beef and one lamb, one beef and one meat goat).

5. **EXHIBITORS MUST SHOW THEIR OWN ANIMAL OR ANIMALS IN THE SALE**
6. The charge for selling at the Livestock Sale will be \$3.00 per animal plus 3.5 percent of the premium dollars.
7. No market animals will be allowed to be loaded until 30-minutes after the completion of the sale.
8. **A 4-H/FFA member and/or a parent must be with their livestock 30-minutes following completion of the sale to help with loading.**
9. If the owner consigns an animal to the Bourbon County Junior Livestock Sale and the animal is sold, the animal CAN NOT be purchased from Buyer or Base Bidder by owner or any other 4-H or FFA member and taken home. Should this happen, the premium on the animal will be forfeited.
10. The animal which wins the rate of gain (beef and lambs) will be eligible to sell after the grand and reserve of that species, provided weight requirements are met.
11. Minimum and maximum weights for the Livestock Sale are as follows:
Beef.....1,000+
Hogs.....220+
Lambs.....100+
Goats.....50+

Junior Livestock Sale Committee: Ethan Holly, Gale George, Mark Leatherman and David Renard

4-H/FFA BEEF

Judging: Wednesday, July 17, 6:30 p.m.

Superintendent: Kevin Seested

Assistant Superintendents: Kristy Beene, Bareigh Farrell, Kolby Seested, Will Wunderly

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Beef project.
3. Superintendents may divide market classes by weight at their discretion.
4. Market steers and market heifers must have been tagged prior to the fair by a designated official.
5. No more than two market steers, two market heifers and two breeding heifers may be entered by any one exhibitor.
6. British Breeds in market steer class must be purebred Angus, Hereford or Shorthorn.

HEALTH REQUIREMENTS: Steers will be examined for ringworm and warts. No tests are required for cattle of Kansas origin.

CATTLE ORIGINATING FROM OTHER STATES: In addition to the general requirements, cattle and bison, except steers and spayed heifers, origination from other states and of test eligible age (females, 18 months of age or older – bulls, 12 months of age or older) must meet one of the following requirements

1. Originate from a “brucellosis-free” state.
2. Originate in and constitute part of a certified brucellosis-free herd. Herd certification number must be entered on the health certificate.
3. Present evidence on the health certificate that the animal has been tested negative for brucellosis by an approved state/federal laboratory within 30 days of the exhibition date.
4. All heifers including official calthood vaccinated that are springer’s (expected to calve within two weeks) or have calved are test eligible regardless of age.
5. Cattle and bison, except steers, not originating from a tuberculosis-free state shall be tested negative for tuberculosis within 90 days prior to the exhibition date. Breeding cattle from New Mexico, Minnesota and Michigan are required to have a negative TB test. All dairy cattle, 6 months of age or older

originating outside of Kansas, must be tested negative for tuberculosis.

MARKET

- Class 222 British Breeds
- Class 223 Exotic and Other Breeds
- Class 224 Bourbon County Born Steer – Special Premiums
- Class 225 Market Heifers
- Class 226 Bourbon County Born Market Heifers – Special Premiums

BREEDING

- Class 227 Heifers born after March 1, 2019
- Class 228 Heifers born between Sept. 1, 2018 and March 1, 2019
- Class 229 Heifers born between March 1, 2018 and Sept 1, 2018
- Class 230 Heifers born between Sept. 1, 2017 and March 1, 2018
- Class 231 Heifers born between March 1, 2017 and Sept. 1, 2017
- Class 232 Cows born before March 1, 2017

BEEF SHOWMANSHIP

- Class 233S Senior – 4-H'ers age 14 and older. Top two will be eligible to compete in Round Robin
- Class 233I Intermediate – 4-H'ers age 11-13
- Class 233J Junior – 4-H'ers age 7-10

K&K Auto Parts – Champion Market Beef – Trophy
Ag Realty – Reserve Champion Market Beef – Trophy
G-Three Cattle Company – Champion British Breed Steer – Trophy
Rafter G Bar Cattle Company, Jake Gross – Champion Red Angus - Trophy
Ken & Joyce Johnson – Champion Market Heifer – Trophy
Emmerson Farm – Champion Supreme Breeding Heifer – Award
Gilliland Angus – Reserve Champion Supreme Heifer – Trophy
Henry Ericson; In Memory of Fred Fink by Larry Gilliland – Champion Black Angus Heifer – Trophy
Rick and Norma Mix – Champion Crossbred Heifer – Trophy
Devann O'Brien – Champion Shorthorn Heifer – Trophy
Blooming Hill Angus and Charolais – Champion Charolais Heifer – Trophy
In Memory of Bill and Doris George – Champion Hereford Heifer – Trophy
Seested Family – Champion Bourbon County Born Market Steer – Award
Smith Cattle, Redfield, KS – Reserve Champion Bourbon County Born Market Steer – Trophy
Captured Images Photography, Gary Palmer – Champion Bourbon County Born Market Heifer – Trophy
Rafter G Bar Cattle Company, Jake Gross – Reserve Champion Bourbon County Born Market Heifer - Trophy
McDonalds of Fort Scott – Champion Senior Showman – Award
Fort Scott Livestock Market – Champion Intermediate Showman – Award
Seested Family – Champion Junior Showman – Award
\$2.50 to the individual demonstrating the best showmanship in the Senior Division

DEPARTMENT PREMIUMS: \$5.00, \$3.25, \$2.25

4-H BUCKET CALVES

Judging: Wednesday, July 17, 8:00 a.m.

Superintendents: Kevin Gleason

Assist Superintendents: Ansley Foster, Makenzie McDonald, Gage Reinecke, Lillian Westhoff

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Bucket Calf project.
3. 4-H members 13 years of age before January 1 of the current year are ineligible to show in the Bucket Calf class.
4. Not more than one Bucket Calf can be shown by one contestant
5. Bucket calves can only be shown in one class. Same calf cannot be shown in beef or dairy classes.
6. Calves must be born between January 1 and June 1 of the current year.
7. No bulls born prior to May 1.
8. Calves must be weaned from the bucket by fair time.

Class 331 Bucket Calves – 4-H’ers age 11-12
 Class 332 Bucket Calves – 4-H’ers age 9-10
 Class 333 Bucket Calves – 4-H’ers age 7-8

In Memory of Bill and Doris George – Champion 11-12 year old 4-H’er – Award
 Foster Dairy – Champion 11-12 year old 4-H’er - \$10.00
 In Memory of Bill and Doris George – Champion 9-10 year old 4-H’er – Award
 In Memory of Julie Lemmon and Pat Cook – Champion 9-10 year old 4-H’er - \$10.00
 Foster Dairy – Champion 7-8 year old 4-H’er - \$10.00
 In Memory of Julie Lemmon and Pat Cook – Champion 7-8 year old 4-H’er - \$10.00
DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H/FFA DAIRY CATTLE
Judging: Wednesday, July 17, 8:30 a.m.

Superintendents: Lynda Foster and Addi Foster

Assistant Superintendents: Ansley Foster, Makenzie McDonald, Gage Reinecke, Lillian Westhoff

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Dairy Cattle project.
3. The date for computing age of cows will be date of show.

Class 325 Heifer Calves born September 1, 2018 to show date
 Class 326 Junior Yearling Heifers born March 1, 2018 to August 31, 2018
 Class 327 Senior Yearling Heifers born September 1, 2017 to February 29, 2018
 Class 328 Two-year-old Heifers or Cows
 Class 329 Three-year-old or Older Cows

DAIRY CATTLE SHOWMANSHIP

Class 330S Senior – 4-H’ers age 14 and older – Top two will be eligible to compete in Round Robin
 Class 330I Intermediate – 4-H’ers age 11-13
 Class 330J Junior – 4-H’ers age 7-10

Foster Dairy – Champion Dairy Heifer – Award
 In Memory of Margie Albright – Champion Dairy Breeds - \$10.00
 Foster Dairy – Champion Senior Showman – Award
 Foster Dairy – Champion Intermediate Showman – Award
 Foster Dairy – Champion Junior Showman – Award

\$2.50 to the individual demonstrating the best showmanship in the Senior Division

DEPARTMENT PREMIUMS: \$5.00, \$3.25, \$2.25

4-H/FFA DAIRY GOATS

Judging: Wednesday, July 17 9:00 a.m.

Superintendents: Lynda Foster and Addi Foster

Assist Superintendents: Ansley Foster, Makenzie McDonald, Gage Reinecke, Lillian Westhoff

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Dairy Goat project.
3. The date for computing age for older goats will be the day of show.
4. Classes will be shown by breeds in the following order:
 - A) LaMancha
 - B) Nigerian Dwarf
 - C) Nubian
 - D) Oberhasli
 - E) Other Recognized breeds to include Alpine, Saanen, Toggenburg and Grades.

HEALTH REQUIREMENT: All sexually intact (does & bucks) and wethers must be identified with an official USDA premise ID tag or registration tattoo.

LaMancha

- Class 604 A Junior Doe, born March 1, 2019 to show date
Class 605 A Junior Doe, born January 1, to February 28, 2019
Class 606 A Junior Doe, born July 18, 2017 to December 31, 2018 (not in milk)
Class 607 A Senior Doe, under 2 years in milk.
Class 608 A Senior Doe, 2 years and under 3 years
Class 609 A Senior Doe, 3 years and over

Nigerian Dwarf

- Class 610 B Junior Doe, born March 1, 2019 to show date
Class 611 B Junior Doe, born January 1, to February 28, 2019
Class 612 B Junior Doe, born July 18, 2017 to December 31, 2018 (not in milk)
Class 613 B Senior Doe, under 2 years in milk.
Class 614 B Senior Doe, 2 years and under 3 years
Class 615 B Senior Doe, 3 years and over

Nubian

- Class 616 C Junior Doe, born March 1, 2019 to show date
Class 617 C Junior Doe, born January 1, to February 28, 2019
Class 618 C Junior Doe, born July 18, 2017 to December 31, 2018 (not in milk)
Class 619 C Senior Doe, under 2 years in milk.
Class 620 C Senior Doe, 2 years and under 3 years
Class 621 C Senior Doe, 3 years and over

Oberhasli

- Class 622 D Junior Doe, born March 1, 2019 to show date
Class 623 D Junior Doe, born January 1, to February 28, 2019

Class 624 D Junior Doe, born July 18, 2017 to December 31, 2018 (not in milk)
Class 625 D Senior Doe, under 2 years in milk.
Class 626 D Senior Doe, 2 years and under 3 years
Class 627 D Senior Doe, 3 years and over

Other Recognized Breeds include Alpine, Saanen, Toggenburg and Grades

Class 628 E Junior Doe, born March 1, 2019 to show date
Class 629 E Junior Doe, born January 1, to February 28, 2019
Class 630 E Junior Doe, born July 18, 2017 to December 31, 2018 (not in milk)
Class 631 E Senior Doe, under 2 years in milk.
Class 632 E Senior Doe, 2 years and under 3 years
Class 633 E Senior Doe, 3 years and over

DAIRY GOAT SHOWMANSHIP

Class 634S Senior – 4-H’ers age 14 and older – Top two will be eligible to compete in Round Robin.
Class 634I Intermediate – 4-H’ers age 11-13
Class 634J Junior – 4-H’ers age 7-10

American Family Insurance, Ed Graham Agency – Champion Dairy Goat – Trophy
American Family Insurance, Ed Graham Agency – Reserve Champion Dairy Goat – Trophy
In Memory of Tim Murphy – Champion Senior Showman – Award
Billiard-Hammer-Hartman Insurance – Champion Intermediate Showman – Award
Jack & Marge Stephan – Champion- Junior Showman – Award
\$2.50 to the individual demonstrating the best showmanship in the Senior Division

DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H DOG CARE AND TRAINING
Judging: Saturday, July 13, 9:00 a.m.

Superintendent: Bayly Carmean
Assistant Superintendents: Julia Allen, Chance Fuhrman

HEALTH REQUIREMENT: 4-H Dog Show Immunization Record (only MG-34 Revised, October 2017 accepted) must be completed for each dog entered at the County Fair 4-H Dog Show. Originals or photocopies are acceptable. No sick dogs will be allowed to show. Required vaccinations include: Bordetella, Distemper, Hepatitis, Parvovirus, Parainfluenza, and Rabies. The rabies vaccination must be administered by a licensed veterinarian. All vaccinations must be current. Dogs must be at least 6 months of age at time of show.-Proof of vaccination must be presented at entry time if the dog has not participated in the obedience classes scheduled prior to the County fair.

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Dog Care and Training project.
3. No facilities are available to keep dogs during the fair. They must be brought before the contest and returned home.
4. Dogs may not be trained, or handled by professionals after July 1 or during the Dog Show.
5. Any abuse of dogs on grounds, or in the ring, will result in disqualification.
6. No dog in season will be allowed to show.
7. Any dog fouling in the ring will automatically receive a white ribbon.
8. Baiting dogs is not allowed.

9. 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.
10. In order to compete in Agility, the exhibitor must have completed or be participating in an Obedience Class with the same dog they will be using in Agility.
11. No mobile phones and/or other electronic devices are allowed in the ring.
12. **DOGS ARE NOT ALLOWED TO RUN AT LARGE OR ACCOMPANY OWNER ANYWHERE ON FAIRGROUNDS AT ANY TIME.**

DOG SHOWMANSHIP

Entries will be judged on fitting of 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.

1. Care and understanding of Dog
2. Showing of Dog.

Class 180 Senior Division – 4-H’ers age 14 and older.

Class 181 Intermediate Division – 4-H’ers age 11-13.

Class 182 Junior Division – 4-H’ers age 7-10.

OBEDIENCE

A 4-H member may enter only one dog per class. Pre-Novice is offered only at the County Fair.

Class 183 Pre-Novice (A) Senior -This class is for exhibitors who are 14 and older. All exercises are done **ON LEAD**. This class is not eligible for the Kansas State Fair.

Class 184 Pre-Novice (B) Intermediate - This class is for exhibitors who are 11-13 years old. All exercises done **ON LEAD**. This class is not eligible for the Kansas State Fair.

Class 185 Pre-Novice (C) Beginners - This class is for exhibitors who are 7-10 years old. All exercises done **ON LEAD**. This class is not eligible for the Kansas State Fair.

1. Heel on leash and figure 8
2. Stand for examination
3. Recall on leash and finish
4. Long sit - 1 minute
5. Long down - 3 minutes

Class 186 Novice - All exercises are **OFF LEAD** except for the initial heel and figure 8. This class is eligible for the Kansas State Fair.

1. Heel on leash and figure 8 - on lead
2. Stand for examination - off lead
3. Heel - off lead
4. Recall and finish - off lead
5. Long sit - 1 minute; off lead
6. Long down - 3 minutes; off lead

Class 187 Graduate Novice (exhibitors with dogs who have graduated from Novice)

1. Heel on leash
2. Stand for examination - off lead
3. Heel free & figure 8
4. Drop on recall
5. Long sit - 3 minutes; handler out of sight
6. Long down - 5 minutes; handler out of sight

AGILITY

Dogs must be at least 12-months-old before competing.

- Class 188A Senior Agility – 4-Hers age 14 and older will be done on lead and are not eligible for the Kansas State Fair.
- Class 188B Intermediate Agility – 4-Hers age 11-13 years old will be done on lead and are not eligible for the Kansas State Fair.
- Class 188C Beginning Agility- 4-Hers age 7-10 years old will be done on lead and are not eligible for the Kansas State Fair.
- Class 188D Agility – OFF LEAD eligible for the Kansas State Fair.

RALLY OBEDIENCE

1. Rally is open to members who are 10 years of age and older who have received a blue or purple ribbon in obedience.

Class 189A Rally Level I - on lead, not eligible for Kansas State Fair.

Class 189B Rally Level II - off lead.

City State Bank – Overall Highpoint Exhibitor - \$20.00

In Memory of Margie Albright – Award Donor

Animal Care Center, Yolonda Gray D.V.M. – Award Donor

City State Bank – Award Donor

Wise Tax and Accounting – Champion Senior Showman - Award

Wise Tax and Accounting – Champion Intermediate Showman - Award

Wise Tax and Accounting – Champion Junior Showman - Award

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H HORSES

Judging: Sunday, July 14, 6:30 p.m.

Superintendents: Rachel Martin, Holli Mason

Assistant Superintendents: Adelay Martin, Sadie Marchiano

HEALTH REQUIREMENT: A negative Coggins test will be required within one year of county fair.

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Horse project.
3. This contest is open to 4-H members enrolled in 4-H Clubs located in Bourbon County.
4. Horse ID Certificates and Horse Participation forms must be signed and filed in the Southwind - Fort Scott Extension Office by May 1.
5. Age for classes will be determined by 4-H age as of January 1.

6. Authorized personnel will check the following prior to participating in the 4-H Horse Show: Identification papers, and proof of negative coggins (actual test results are needed.)
7. Participants are to wear the official 4-H clothing. (Read the 4-H Rule Book.) EXCEPTION - Short sleeved shirts (no T-shirts) will be allowed for Races.
8. Each animal must be exhibited or ridden by the 4-H owner. In halter classes, one attendant of 4-H age may help if necessary.
9. One horse may be shown by more than one member of a family, but the horse can only be shown once in each class.
10. First year classes are an option for 4-H members showing for the first time in the Bourbon County Fair Horse Show that do not want to show in their specific age division.
11. If an exhibitor chooses to show in a walk trot class they may not show in a class which requires a lope or canter.
12. Stallions cannot be shown except in the weanling class.
13. Ponies are required to show in pony classes when a pony class is available.
14. "Stock type" includes but is not limited to Appaloosa, Buckskin, Paint, Palomino, and Quarter.
15. "Non-stock type" includes but is not limited to Arabian, Morgan, Thoroughbred, and American Saddlebred.
16. Ranch Pleasure: Horse should be exhibited in Western Pleasure or Ranch Pleasure. They may not be shown in both. Ranch Pleasure is shown on the rail. Horses should have a higher head carriage and more forward pace than Western Pleasure horses.
17. High Point Champion and Reserve Champion awards will be given in the 11-13 and 14 and older group.
18. 4-Her's may still show multiple horses, but High Point awards will only be calculated on one horse. To calculate points: Purple = 4, Blue = 3, Red = 2, White = 1.
19. First Year Walk Trot, Pleasure Pairs and Fun Classes will NOT count toward High Point awards.
20. Ties will be broken by showmanship placing.
21. Horses will not be brought back to the fair after the 4-H Horse Show on Sunday.
22. To be eligible for the Kansas State Fair a 4-H'er must qualify at the District 4-H Horse Show.

HORSE SHOWMANSHIP (No Premiums)

- Class 266S Senior – 4-H'ers age 14 and older – Top two will be eligible to compete in Round Robin.
 Class 266I Intermediate – 4-H'ers age 11-13
 Class 266J Junior – 4-H'ers age 7-10
 Pee Wee Horse Showmanship (age 6 and under with a helper)

HALTER -- Stock Type (No Premiums)

- Class 267 Weanlings
 Class 268 Gelding – Yearling
 Class 269 Gelding – Two year old
 Class 270 Gelding – Three year old and older
 Class 271 Filly – Yearling
 Class 272 Filly – Two year old
 Class 273 Mares – Three year old and older

HALTER -- Non-Stock Type (No Premiums)

- Class 274 Weanlings
 Class 275 Gelding – Yearling
 Class 276 Gelding – Two year old
 Class 277 Gelding – Three year old and older
 Class 278 Filly – Yearling
 Class 279 Filly – Two year old

- Class 280 Mares – Three year old and older
Class 281 Ponies 56-inches and under – Any age

PERFORMANCE

- Class 282A Walk Trot Hunter under Saddle
Class 282B Hunter under Saddle
Class 283A Walk Trot Hunt Seat Equitation
Class 283B Hunt Seat Equitation
Class 284A 1st Year Walk Trot Horsemanship
Class 284B Walk Trot Horsemanship – 4-Her age 7-10 years

HORSEMANSHIP

- Class 285 Horsemanship – Ponies 56-inches and under
Class 286 Horsemanship – 4-Hers age 14 and older
Class 287 Horsemanship – 4-Hers age 11-13 years
Class 288 Horsemanship – 4-Hers age 7-10 years
Pee Wee Horsemanship – Age 6 and under with a helper

WESTERN PLEASURE

- Class 290 Walk Trot Western Pleasure – Ponies 56 inches and under
Class 291A 1st Year Walk Trot Western Pleasure
Class 291B Walk Trot Western Pleasure – 4-Hers age 7-10 years
Class 292 Western Pleasure – Ponies 56-inches and under
Class 293 Western Pleasure – 4-Hers age 14 and older
Class 294 Western Pleasure – 4-Hers age 11-13 years
Class 295 Western Pleasure – 4-Hers age 7-10 years

RANCH HORSE PLEASURE

- Class 296 Ranch Horse Pleasure – Ponies 56-inches and under
Class 296A Ranch Horse Pleasure – 4-Hers age 14 and older
Class 296B Ranch Horse Pleasure – 4-Hers age 11-13 years
Class 296C Ranch Horse Pleasure – 4-Hers age 7-10 years

TRAIL

- Class 297 Trail Class – 4-Hers age 14 and older
Class 298 Trail Class – 4-Hers age 11-13 years
Class 299 Trail Class – 4-Hers age 7-10 years

PLEASURE

- Class 300 Pleasure Pairs

REINING

- Class 301 Reining – 4-Hers age 14 and older
Class 302 Reining – 4-Hers age 11-13 years
Class 303 Reining – 4-Hers age 7- 10 years

FUN CLASSES - TIMED EVENTS (No Premiums)

- Class 304 Pole Bending – 4-Hers age 14 and older
Class 305 Pole Bending – 4-Hers age 11-13 years
Class 306 Pole Bending – 4-Hers age 7-10 years

Class 307	Pole Bending – Ponies 56-inches and under
Class 308	Barrel Racing – 4-Hers age 14 and older
Class 309	Barrel Racing – 4-Hers age 11-13 years
Class 310	Barrel Racing – 4-Hers age 7-10 years
Class 311	Barrel Racing – Ponies 56-inches and under
Class 312	Flag Race – 4-Hers age 14 and older
Class 313	Flag Race – 4-Hers age 11-13 years
Class 314	Flag Race – 4-Hers age 7-10 years
Class 315	Flag Race – Ponies 56-inches and under

All-around awards will be given to the top two participants in the 11-13 and 14 and older group.

Martin Ranch – Top Halter Gelding - Award

Martin Ranch – Top Halter Mare - Award

Ag Realty – Award Donor

Animal Care Center, Yolonda Gray D.V.M. – Award Donor

Fort Scott Livestock Market – Award Donor

Gary and Jackie Harvey – Award Donor

Martin Ranch – Award Donor

Betty Reed and Family – Award Donor

Scifers Veterinary Services – Award Donor

\$2.50 to the individual demonstrating the best showmanship in the Senior Division.

DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H/FFA MEAT GOATS

Judging: Tuesday, July 16, 5:30 p.m.

Superintendent: Mark Leatherman

Assistant Superintendents: Clay Brillhart, Byron Fry, Jaxon Pitts, Hunter Schaaf

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Meat Goat project.
3. Market goats must have been tagged prior to the fair by a designated official.
4. Meat goats are goats bred for meat purposes. Does or wethers of any breed will be judged on merits for meat purposes.
5. Meat goats shown in meat classes cannot be shown in dairy classes and dairy goats shown in the dairy classes cannot be shown in the meat classes.
6. Goats must have milk teeth in place at the time of fair weigh-in.
7. Goats must be less than 1 year of age.
8. Goats must be dehorned or if horned, the horns must be tipped (not less than the diameter of a dime at the end.)
9. Goats must be slick shorn above the knee and hock.
10. Animals are shown with collars or halter and lead in the class.
11. Market classes will be divided by weight
12. Breeding meat goat classes will be divided by age.
13. No more than two breeding meat goats and two market meat goats can be entered by one 4-Her.
14. No Billy's period.

HEALTH REQUIREMENT: All Meat Goats must be identified with an official USDA premise ID tag or registration tattoo.

MARKET

- Class 250 Market Goat
Class 251 Bourbon County Born Market Goat

BREEDING

- Class 252 Breeding Doe – less than 6 months
Class 253 Breeding Doe – 6 months - 1 year

MEAT GOAT SHOWMANSHIP

- Class 255S Senior – 4-Hers age 14 and older – Top two will be eligible to compete in Round Robin.
Class 255I Intermediate – 4-Hers age 11-13
Class 255J Junior – 4-Hers age 7-10

Tony, Darla and Kaitlyn Hanks – Champion Market Meat Goat – Trophy
Lucky H Feed and Farm LLC – Reserve Champion Market Meat Goat – Trophy
Tony, Darla and Kaitlyn Hanks – Champion Breeding Meat Goat – Trophy
Miller Feed and Farm – Reserve Champion Breeding Meat Goat – Trophy
Landmark National Bank - Champion Bourbon County Born Market Meat Goat- Trophy
Landmark National Bank - Reserve Champion Bourbon County Born Market Meat Goat - Trophy
Agricultural Engineering Associates – Champion Senior Showman – Award
Fort Scott Veterinary Center – Champion Intermediate Showman - Award
Norris Heating and Air Conditioning – Champion Junior Showman – Award
\$2.50 to the individual demonstrating the best showmanship in the Senior Division

DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H POULTRY

Judging, July 16, 10:00 a.m. (after Rabbits)

Superintendent: Sue Reinecke

Assistant Superintendents: Tate Crystal, Laney Keating

HEALTH REQUIREMENT All poultry must be Pullorum Typhoid tested before fair in order to show as we will not be testing at check in. Testing must be done within 90 days prior to fair. A testing date will be made free of charge, prior to fair. Contact the Southwind Extension Office for details

1. See 4-H General Rules.
2. 4-H exhibitor must be enrolled in the Poultry project.
3. Only one entry per class per exhibitor.
4. Same bird cannot be shown in more than one class.
5. Poultry feed will be provided. All exhibitors must care for their own exhibits feeding and watering their own poultry.
6. Exhibitors are responsible for dumping cage trays before leaving the fair grounds on Saturday.

- Class 152 Large Fowl Standard Breed Cockerel – less than one year old
Class 153 Large Fowl Standard Breed Cock – one year or older
Class 154 Large Fowl Standard Breed Pullet – less than one year old
Class 155 Large Fowl Standard Breed Hen – one year or older
Class 156 Production Breed Pen Meat – three birds same sex (hybrids allowed)
Class 157 Production Breed Pen Laying – three pullets or hens (hybrids allowed)
Class 158 Bantam Cockerel – less than one year old

- Class 159 Bantam Cock – one year old or older
- Class 160 Bantam Pullet – less than one year old
- Class 161 Bantam Hen – one year old or older
- Class 162 Turkey one bird any breed either sex
- Class 163 Ducks one bird any breed either sex
- Class 164 Goose one bird any breed either sex
- Class 165 Pigeon one bird any breed either sex

POULTRY SHOWMANSHIP

- Class 166S Senior – 4-Hers age 14 and older
- Class 166I Intermediate – 4-Hers age 11-13
- Class 166J Junior – 4-Hers age 7-10

In Memory of Dorothy Wimmer – Overall Champion Chicken Exhibit - Trophy

In Memory of Barbara Coyan donated by her daughters – Overall Champion Poultry Exhibit – \$50.00 and Award

In Memory of Barbara Coyan donated by her daughters – Overall Reserve Champion Poultry Exhibit - \$25.00 Tractor Supply – Poultry Feed for fair week.

DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H RABBITS

Conference Judging: Tuesday, July 16, 8:00 a.m.

Superintendent: Lori Guilfoyle

Assistant Superintendents: Autumn Kimrey, Calvin Walker

HEALTH REQUIREMENT: Rabbits must be healthy and free of disease or they may be rejected at time of entry.

1. See 4-H General Rules.
2. 4-H exhibitors must be enrolled in the Rabbit project.
3. There will be conference judging. 4-H members must present rabbit to judge. If you are unable to attend, select another Bourbon County 4-H'er to present rabbit to judge.
4. Rabbit feed will be provided. All exhibitors will be responsible for taking care of feeding and watering their own rabbits.
5. Rabbits must have been owned by June 1st by exhibitor.
6. Rabbits must have a permanent tattoo in its left ear.
7. Limit of 8 rabbits per exhibitor. One rabbit per variety, per breed, per class.
8. Only purebred breeds recognized by the American Rabbit Association may be exhibited and will be judged by ARBA Standards.
9. Meat pen will consist of three rabbits of same breed which are not over 70 days old and do not weigh over 5 pounds each.
10. Adults will stand back during show. 4-H youth will be allowed at the judging table only.
11. Exhibitors are responsible for dumping cage trays before leaving the fair grounds on Saturday.

Class 170 Junior Doe (3- 6 months of age)

Class 171 Intermediate Doe (6-8 months of age)

Only breeds of American, Giant Angora, Californian, Champagne, Checkered Giant American Chinchilla, New Zealand, Palomino, Satin, and other commercial and giant breeds.

- Class 172 Senior Doe (8 months of age and older for breeds in intermediate; six months and over for other breeds)
- Class 173 Junior Buck (3-6 months)
- Class 174 Intermediate Buck (6-8 months)
- Class 175 Senior Buck
- Class 176 Meat Pen

RABBIT SHOWMANSHIP

- Class 177S Senior Showmanship- 4-H'ers age 14 and older.
- Class 177I Intermediate Showmanship – 4-H'ers age 11-13.
- Class 177J Junior Showmanship – 4-H'ers age 7-10.

Big Sugar Lumber and Home Center – Overall Champion Rabbit -Trophy
 SGT Group Sales – Overall Champion Rabbit - \$15.00
 Big Sugar Lumber and Home Center – Overall Reserve Champion Rabbit - Trophy
 SGT Group Sales – Overall Reserve Champion Rabbit - \$10.00
 Modern Copy Systems – Champion Senior Showman – Award
 Tim and Tori Murphy – Champion Intermediate Showman – Award
 Rogers Body Shop – Champion Junior Showman – Award
 Tractor Supply Company – Rabbit Feed for fair week
DEPARTMENT PREMIUMS: \$1.50, \$1.00, \$.75

4-H/FFA SHEEP

Judging: Tuesday, July 16, 2:30 p.m.

Superintendent: Mark Leatherman

Assistant Superintendents: Clay Brillhart, Byron Fry, Jaxon Pitts Hunter Schaaf

1. See 4-H General Rules.
2. 4-H Exhibitor must be enrolled in the Sheep project.
3. Market lambs must have been tagged prior to the fair by a designated official.
4. No Rams - Period.
5. Rams may not be shown as market lambs.
6. Superintendents may divide market lamb class by weight at their discretion.
7. All sheep must be slick sheared prior to show.

HEALTH REQUIREMENT: All Sheep must be identified with an official USDA premise ID tag.

MARKET

- Class 243 Market Lamb
- Class 244 Bourbon County Born Market Lamb - Special Premiums

BREEDING

- Class 245 Breeding Ewe Lamb

SHEEP SHOWMANSHIP

- Class 247S Senior – 4-H'ers age 14 and older – Top two will be eligible to compete in Round Robin.
- Class 247I Intermediate – 4-H'ers age 11-13.
- Class 247J Junior – 4-H'ers age 7-10.

Frontier Farm Credit – Champion Market Lamb - Trophy
Pitts Family – Reserve Champion Market Lamb – Award
Frontier Farm Credit – Champion Senior Showman - Award
In Memory of Leo Hibdon – Champion Intermediate Showman – Award
Mr. and Mrs. Gary Harvey – Champion Junior Showman – Award
\$2.50 to the individual demonstrating the best showmanship in the Senior Division
DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H/FFA SWINE
Judging: Thursday, July 18, 8:00 a.m.

Superintendent: Terry Nading

Assistant Superintendents: Jasper Allison, Reegan McDaniel, Blaine Pits, Haydon Schaaf

1. See 4-H General Rules.
2. 4- exhibitor must be enrolled in the Swine project.
3. Market Swine must have been tagged prior to the fair by a designated official.
4. Market Swine must be born after January 1.
5. Market hogs will be shown by breed and designated at spring tag in. Breeds will follow the breed classification standards - Berkshire, Chester White, Duroc, Hampshire, Landrace, Poland China, Spotted, Yorkshire and Crossbred
6. Not more than two market pigs can be shown by one contestant in the market classes.
7. Must have 3 of a breed for a class or will show in All Other Breed (AOB) class.
8. Breeding gilts will be shown by breed only if there are four or more of a breed. They may not be shown as both breeding and market. Not more than two breeding gilts can be shown by one contestant.
9. Boars may not be shown as market pigs.
10. Registration papers are not required.
11. Superintendents may divide market pig class by weight at their discretion.
12. Carpet shall not be used as bedding as it clogs the drains.

HEALTH REQUIREMENT: A negative pseudo rabies and brucellosis test are not required for Kansas origin swine.

MARKET

Class 234 Market Swine
Class 235 Bourbon County Born Market Hog - Special Premiums
Class 236 Pen of three Market Pigs

BREEDING

Class 237 Breeding Gilt

SWINE SHOWMANSHIP

Class 239S Senior – 4-H'ers age 14 and older –Top two will be eligible to compete in Round Robin.
Class 239I Intermediate – 4-H'ers age 11-13
Class 239J Junior – 4-H'ers age 7- 10

AgriLogic Crop Insurance, Jake Gross – Champion Market Pig – Trophy
Terry and Angela Nading – Reserve Champion Market Pig – Trophy
In Memory of Fred Fink – Champion Breeding Gilt – Trophy

John Menefee – Champion Market Hampshire – Award
 Duling Show Pits – Champion Market Duroc – Award
 Midwest Fertilizer, Deerfield, MO – Champion Market A.O.B. – Award
 R2 Concrete, Mike Rogers – Champion Market Yorkshire – Award
 Nading’s Show Pigs – Champion Market Crossbred – Award
 J&W Sports Shop – Champion Bourbon County Born Market Swine– Trophy
 J&W Sports Shop – Reserve Champion Bourbon County Born Market Swine– Trophy
 Sunglo Feeds, John Ericson – Champion Senior Showman – Award
 AgriLogic Crop Insurance, Jake Gross – Champion Intermediate Showman – Award
 Captured Images Photography, Gary Palmer – Champion Junior Showman - Award
 \$2.50 to the individual demonstrating the best showmanship in the Senior Division
DEPARTMENT PREMIUMS: \$3.25, \$2.25, \$1.75

4-H ROUND ROBIN SHOWMANSHIP
Thursday, July 18, 3:00 p.m.

Superintendents: Scott Sutton, Dane Cummings, Kyle Parks

1. Competition among top two senior showmen in Beef, Dairy Cattle, Dairy Goat, Horse, Meat Goat, Sheep and Swine will be asked to participate in Round Robin.

Cloverdale Angus Farm – Champion Showman – Award
 In Memory of Barbara Coyan donated by her daughters – Reserve Champion Showman – Award

4-H LIVESTOCK JUDGING CONTEST
Friday, July 19, 9:00 a.m.
Bourbon County Fairgrounds Small Arena

SPECIAL AWARDS:

Jack & Peggy Jackson – Medals – Top three juniors and Top three seniors

THANK YOU 2018 LIVESTOCK BUYERS!

**Bourbon County 4-H members would like to thank all the supporters of the livestock premium sale.
 We appreciate your generous support.**

4 State Sanitation	Brent Paddock Farms	Dept.
Ag Choice - Hepler	Briggs Auto	Fort Scott Livestock
Ag Choice - Moran	Byram Farm	Fort Scott Veterinary Clinic
Ag Realty	Casper Enterprises	George Kids
Alinement Services	City State Bank	Gilliland Angus
American Family Insurance	Cloverdale Farms	Harris LP
Animal Care Center	Craw-Kan Telephone	John Seested Memorial
Appleton City Feed	David Renard	K W Cattle Company
Avery Lumber	Diehl, Banwart, Bolton CPA’s	K&K Auto Parts
Big Sugar Lumber	Emmerson Farms	Keller Ranch
Blooming Hill Angus and	Farmers Bank - Hepler	Kevin Gleason and Kyle Parks
Charolais	Findley Body Shop	Konantz Cheney
Bourbon County Swine Series	Finney County Feed Yard	Labette Bank
Terry Nading and Wilma Hibdon	Fort Scott Community College Ag.	Labette Bank - Frontenac

Landmark National Bank
Legacy Farm and Lawn
Lockwood Motors
Madison Cattle Company
Medicalodges
Midwest Fertilizer - Hammond
Modern Woodman
O'Brien Ready Mix
Paola Livestock
Peerless Products

Producers Coop - Girard
PSI Insurance
Pump N Pete's
Queens Price Chopper
R&R Equipment
RII Concrete
Rafter K Services
Repro-Logic
Rogers Body Shop
Scott Kennedy Seed Center

Smith Cattle
Specialty Risk Insurance
Stine Seed
Thomas Construction
Union State Bank
Ward Kraft
Western Feed Mills
Wilson Cattle
Wise Tax and Accounting

Also, a special thank you to the following:

Sale Auctioneers: Jim and Larry Martin

Sale Ring: Bill Nance & Charlie Johnson

Sale Clerk: Deb Martin

Base Bid Buyers: Fort Scott Livestock Market, UPI/Parks, Dale Lanham

Buyers Dinner: Deb Martin, Bree Petty, Gary Harvey

Bourbon County Fair Board/Bourbon County Extension Staff

Livestock Weigh Committee: John Ericson, Kathy George, Larry Martin, Doug Simpson, Lori Stephens

4-H Livestock Sale Committee: Ethan Holly, David Renard, Gale George, Mark Leatherman