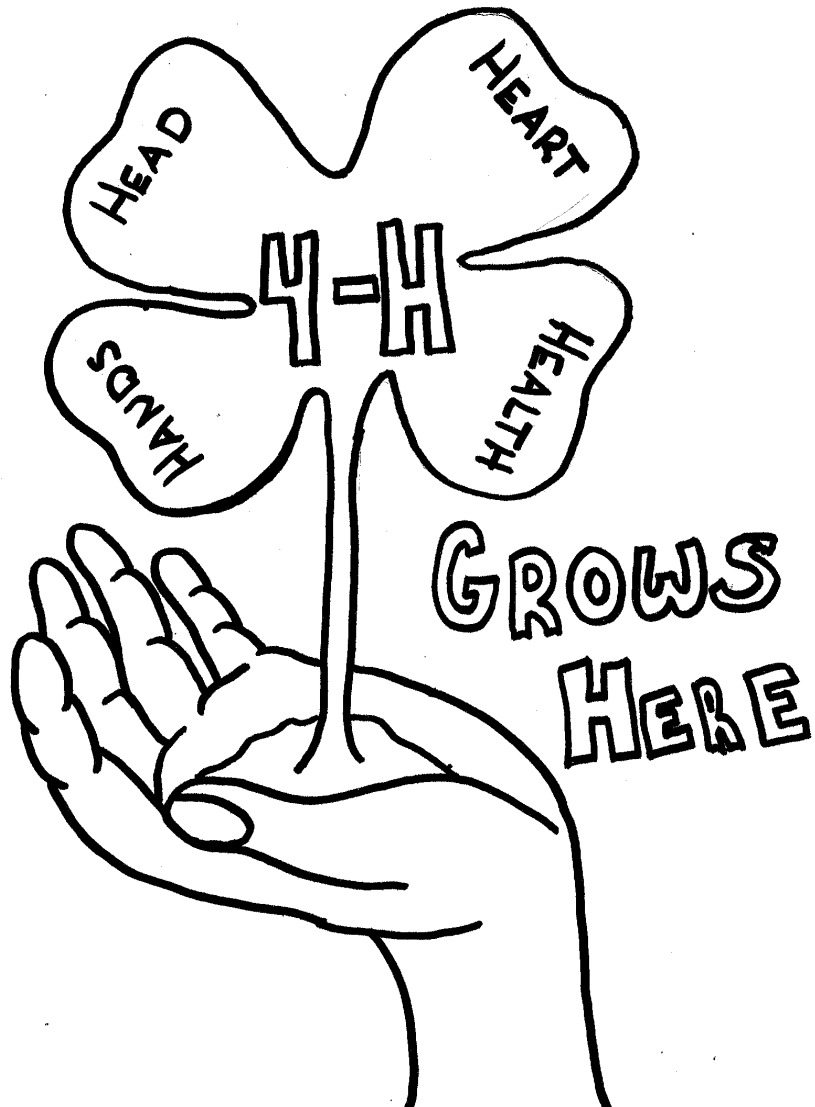


2017 Cowley County Fair



K-STATE
Research and Extension

Official 4-H Rule Book

Pre-Entries are due
Wednesday, July 5th, 2017



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JUNIOR SHORTER MEMORIAL BEEF EXHIBITOR AWARD

Junior Shorter was an influential supporter of Cowley County youth beef programs. He was instrumental in initiating and organizing the Cowley County Classic Beef Show for a number of years garnering great support from local businesses and supporters. The Cowley County Classic was one of the original and premiere spring beef shows for youth, attracting exhibitors from all over Kansas as well as Oklahoma and Texas.

Cowley County 4-H and the Cowley County Classic Beef Show Committee awards the Junior Shorter Memorial Beef Exhibitor Award annually to recognize a Beef exhibitor with exceptional leadership and herdmanship skills. Junior believed in the positive life skills and character traits that could be developed in young people through involvement in the Beef project. 4-H/FFA Beef Exhibitors are asked to nominate a peer that possesses the characteristics of integrity, honesty, sportsmanship and good work ethic along with good showmanship/herdsmanship skills. The winner is recognized at the conclusion of the Round Robin Showmanship Contest and the recipient's name is added to a perpetual plaque on display in the Cowley County Extension Office.

To nominate an exhibitor, current 4-H/FFA Beef members should secure a nomination form from a Beef Superintendent or the Cowley County 4-H Fair Office. Nominations are due by Sunday at noon in the 4-H Fair Office.

ED FISHER MEMORIAL LIVESTOCK EXHIBITOR AWARD

Dr. Edwin Fisher was an avid supporter of Cowley County 4-H. He had a special interest in livestock projects and could be found supporting local livestock exhibitors at the Cowley County Fair and spring livestock shows. To honor his memory, Cowley County 4-H volunteers established the Ed Fisher Memorial Livestock Exhibitor Award to recognize a 4-H/FFA Livestock Exhibitor that possesses the character traits of integrity, honesty, sportsmanship and good work ethic along with good showmanship/herdsmanship skills across a variety of livestock areas. The peer-nominated recipient should also display a passion for the livestock industry. The winner is recognized at the conclusion of the Round Robin Showmanship Contest and the recipient's name is added to a perpetual plaque on display in the Cowley County Extension Office.

To nominate an exhibitor, current 4-H/FFA livestock members should secure a nomination form from a Livestock Superintendent or the Cowley County 4-H Fair Office. Nominations are due by Sunday at noon in the 4-H Fair Office.

2017 COWLEY COUNTY FAIR 4-H AND YOUTH DEPARTMENT SCHEDULE

Wednesday, July 5	Pre-entry deadline for all 4-H and FFA entries
Tuesday, July 25 8:30 a.m.	Fashion Revue and Clothing Construction Judging, Brown Center, Cowley College, 215 S 2nd Street, Arkansas City
7:00 p.m.	Public Fashion Revue, Brown Center, Cowley College
Saturday, July 29 8:00 a.m.	4-H Horse Show Judging, Burden Arena, Burden
Monday, July 31 6:00 p.m.	Livestock pen set up
Tuesday, August 1 8:00 a.m.	Set up & clean-up for Barn 4; 4-H and Open Class, Fairgrounds
Wednesday, August 2 9:00 a.m.	4-H Dog Show, Barn 4
Thursday, August 3 8:00 a.m. 8:00 a.m. – 10:00 a.m.	4-H/FFA Swine may arrive and weigh/check-in 4-H /FFA Sheep and Goats may arrive, begin vet-check (must go through vet-check before entering pens) and weigh (south end of Barn 10)
9:00 a.m. – 10:00 a.m. 2:00-3:00 p.m. 4:30 p.m.	4-H/FFA Beef weighed, Beef Barn Dairy Cattle Check-In Livestock Exhibitor Meeting, Show Arena
4:30 p.m. – 5:30 p.m. 4:00 p.m. – 7:00 p.m. 4:00 p.m. - 7:00 p.m.	4-H Bucket Calf check-in 4-H/FFA Rabbits and Poultry check-in Check in 4-H/Youth exhibits, 4-H Exhibit Building, Barn 4; 4-H/Youth sign-up for Conference Judging
5:30 p.m.	All livestock must be on the grounds **No livestock other than those entered for 4-H/FFA exhibition are allowed in the barns.**
6:00 p.m. 9:00 p.m. 10:00 p.m.	Meat Goat Show, Show Arena Beef may tie-out (Thursday only) 4-H Exhibit Building closes, Barn 4

Friday, August 4

8:00 a.m.	4-H/FFA Beef judging - Show Arena (Bucket Calf judging will follow Beef)
8:00 a.m.	4-H Exhibit Building opens, Barn 4
8:30 a.m.	4-H Foods check in; Conference Judging - Foods, Food preservation, 4-H Exhibit Building, Barn 4
9:30 a.m.	4-H Conference Judging - Booths/Banners, Notebooks, Project Displays, 4-H Exhibit Building, Barn 4
10:00 a.m.	4-H Poultry & Pigeon judging, Barn 8
11:00 a.m.	4-H Conference Judging - Crops, Horticulture, Floriculture, Terrariums and Forestry, 4-H Exhibit Building, Barn 4
11:00 a.m. - 1:00 p.m.	4-H Food Auction Pre-Sale, Barn 4
1:00 p.m.	4-H Conference Judging – Entomology/ Geology, Energy Mgt., Woodworking, Space Tech, Ag Mechanics; Barn 4.
5:15 p.m.	4-H Food Auction, 4-H Exhibit Building, Barn 4
6:00 p.m.	4-H/FFA Sheep Judging, Show Arena
6:00 p.m.	4-H Rabbit Judging, Rabbit Barn
11:00 p.m.	4-H Exhibit Building closes, Barn 4

Saturday, August 5

7:30 a.m.	4-H/FFA Swine Judging, Show Arena
8:00 a.m.	4-H Exhibit Building opens, Barn 4
8:30 a.m.	4-H Conference Judging - Visual Arts, 4-H Exhibit Building, Barn 4
9:30 a.m.	4-H Conference Judging - Fiber Arts, 4-H Exhibit Building, Barn 4
12:00 p.m.	Livestock Intent to Sell cards due to superintendent(s)
12:00 p.m.	4-H Shooting Sports Booth open, South Grandstands
12:30 p.m.	4-H Clover Bud Show and Share, Barn 4
1:00 p.m.	4-H/FFA Dairy Cattle Judging, Show Arena
1:00 p.m.	4-H Conference Judging - Photography, 4-H Exhibit Building, Barn 4
2:30 p.m. (or 15 minutes after Dairy Cattle)	Dairy Goats Judging, Show Arena
3:00 p.m.	Superintendents meet to assemble livestock sale order, 4-H Fair Office
11:00 p.m.	4-H Exhibit Building closes, Barn 4

Sunday, August 6

10:30 a.m.	4-H Sunday at Fairgrounds (ALL LIVESTOCK ACTIVITIES STOP) - Show Arena
1:00 p.m.	4-H Exhibit building opens, Barn 4
1:30 p.m.	Barnyard Olympics, Show Arena
	Ice Cream Social sponsored by Cowley County Farm Bureau following Barnyard Olympics
6:00 p.m.	Round-Robin Showmanship Contest, Show Arena
11:00 p.m.	4-H Exhibit Building closes, Barn 4

Monday, August 7

8:00 a.m.	Registration for 4-H Livestock Judging Contest, Show Arena
8:00 a.m.	4-H Exhibit Building opens, Barn 4
8:30 a.m.	4-H/FFA Livestock Judging Contest, Show Arena
11:00 a.m.	4-H/FFA Challenge of Champions, Show Arena
1:00 p.m.	4-H/FFA members set up for livestock sale, Show Arena
3:30 p.m.	4-H/FFA members set up for buyer's BBQ
5:00 to 6:30 p.m.	BBQ for 4-H/FFA livestock buyers, Picnic Area
6:45 p.m.	4-H/FFA Market Livestock Sale, Show Arena
10:00 p.m.	All livestock exhibits released, must check out with superintendent
10:00 p.m.	4-H Exhibit Building closes, Barn 4

Tuesday, August 8

7:30 - 8:30 a.m.	All other 4-H/Youth exhibits released and fairgrounds clean-up
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2017 FAIR CHANGES

****All changes for the 2017 Cowley County Fair are listed in bold throughout this book.**

General Livestock:

Livestock Pen set up will be held Monday, July 31 beginning at 6:00 p.m. This will be a trial run for 2017 in an effort to secure more parental involvement for set up.

Sheep and Meat Goats:

Sheep and Meat Goats may weigh as they arrive and are vet checked, no earlier than 8:00 a.m. Sheep and Meat Goats must be weighed by 10:00 a.m.

Meat Goats:

The Meat Goat Show will begin at 6:00 p.m.

Dairy:

Dairy Cattle will check in from 2:00-3:00 p.m.

Lactating Dairy Cows will be allowed to have a hay bag in their stall.

Dog Show:

The 4-H Dog Show will be held Wednesday, August 2 at 9:00 a.m. in Barn 4.

Clover Bud Show and Share will be held at 12:30 p.m.

Entomology:

Rules are updated to reflect Kansas State Fair rules.

Fashion Revue:

The public Fashion Revue will be held Tuesday, July 25 at 7:00 p.m. in the Brown Center on the campus of Cowley College.

4-H AND YOUTH DEPARTMENT GENERAL RULES

READ ALL RULES BEFORE MAKING ENTRY

1. Exhibitors must be bonafide members of FFA, 4-H Clubs or other youth organizations in the county. All youth participants must be at least seven years of age before January 1 of the current year. Exhibitors should not have reached 19 before January 1 of the current year to be eligible to participate. Exception: Cloverbuds, ages 5-6.
2. All entries must be pre-entered with the County Extension Office by 5:00 p.m., Wednesday July 5, 2017. Late entries will be accepted within 72 hours of the published deadline with a \$30 fee/entry form. Entries received after the 72-hour grace period will not be accepted and will be returned to the exhibitor. Entries may be deleted at fair check-in, but additional entries will not be accepted.
3. Cattle must weigh from 9:00 a.m.-10:00 a.m., Meat Goats and Sheep may arrive at 8:00 a.m. and begin weighing as they arrive. Sheep and Meat Goats must be weighed by 10:00 a.m. Swine may begin weighing as they arrive. All livestock entries must be on grounds and in place by 5:30 p.m. Thursday, August 3.
4. Non-livestock entries must be checked-in and in place by 7:00 p.m. on Thursday, August 3, unless specified otherwise. Non-livestock exhibits received after 7:00 p.m. Thursday will not be accepted.
5. All exhibits will be placed by the judges into the purple, blue, red, and white ribbon groups. Exhibits may be disqualified (oversized, overweight, displayed wrong, etc.) and will receive a participation ribbon, but will not be judged.
6. Members can exhibit only in the classes or projects in which they are enrolled.
7. Every exhibit entered in competition for prizes must be produced by the Exhibitor during the current (2016-17) 4-H year.
8. Champions and Reserve Champions may be awarded only to purple ribbon quality exhibits in Barn 4, if quality merits. Livestock awards will be blue ribbon quality.
9. Fair Participation information must be completed online (www.cowley.ksu.edu) by 8:00 p.m. Thursday. Internet access will be provided at the 4-H Fair Office for families that have not yet completed their information.
10. Pre-printed entry cards will be available at check-in and must be attached to the exhibit at that time. An entry card must be completed for each exhibit and attached directly to the article. Contact the Extension Office for Clothing and Entomology labels.
11. All exhibits are entered at the individual's risk. The Cowley County Fair Board or Cowley County Extension Council will not be responsible for damage, loss or theft of exhibits.
12. EXHIBIT QUALIFICATION FOR KANSAS STATE FAIR: Only superior purple award exhibits are eligible for further competition at the Kansas State Fair, unless specified otherwise. Participants must have competed at the Cowley County Fair within the respective division to be eligible to compete at the Kansas State Fair. Age qualification for State Fair participation: 4-H members must be at least 9 and not have turned 19 before January 1st of the current 4-H year.

13. Exhibitors must sign up for Conference Judging appointments during the sign-up period on Thursday, August 3 between 4:00 p.m. – 7:00 p.m. in Barn 4. Exhibitors who do not participate in Conference Judging will be docked one ribbon placing and the corresponding premium. They will be ineligible for Champion or Reserve Champion in that division.
14. Non-Livestock Champions and Reserve Champions will be chosen only from purple ribbon exhibits.
15. Any exhibitor who is found to have tampered with or entered any exhibit that is not eligible or does not abide by the fair rules, will forfeit any awards, premiums and the right to sell in the Premium Sale.
16. All livestock and large items going to Kansas State Fair will be the responsibility of the individual.
17. An exhibit made in school or during the course of a class may be exhibited only if the 4-H'er is enrolled in that project area.
18. Removal of exhibits prior to published exhibit release times will result in forfeiture of ALL premium monies.
19. Grievance Procedure: All grievances must be made in writing and must be signed and dated. Such grievances must state plainly the cause of complaint or appeal, and must be submitted to any of the County Extension Agents within 24 hours following the occasion for the grievance, accompanied by a \$25 cash deposit. The deposit will be forfeited if the grievance is overruled.
 - Upon receipt of a qualified grievance, the Extension Agent(s) will promptly notify the person against whom the grievance was made, the Superintendent of the department for the class or event, appropriate Fair Board Representatives, and other parties who may have relevant information. The notice will give a time and place for a hearing to address the grievance.
 - The hearing committee, authorized to act upon any protest, may consist of, but not limited to the following: Extension Agent(s), Fair Board Representative, Superintendent of Department in question, Project Leader or 4-H Club Leader of the involved parties, appropriate FFA Advisors (if necessary), a 4-H PDC Member, 4-H Council President, and an Extension Council Executive Board Member.
 - When a protest is either allowed or denied, the course of action shall be entered in writing, and a copy delivered to the protestant and the person against whom the grievance was made. Premiums and awards will be properly distributed when final decision on the grievance is made. The hearing committee reserves the right to institute further restrictions upon the person/persons upon whom the protest was made.
20. Beginning with the 2011 Cowley County Fair, for the safety of fair exhibitors, livestock and fair attendees, the Cowley County Fair Association has adopted the NEC Code of 2002. Therefore, all electrical equipment must have a cord with a three wire ground or be double insulated.

RULES FOR FAIR CLEAN-UP

Tuesday, August 8, 2017

1. Non-livestock Exhibits will be released from 7:30-8:30 a.m. on Tuesday, August 8 unless otherwise specified. If an exhibitor cannot be present, please make arrangements for another club member to pick up the exhibit.

- The Cowley County Fair Board, Cowley County Extension Council, County Agents or superintendents will not be responsible for exhibits not claimed.
2. Each livestock exhibitor must clean-up their exhibit area or areas (**INCLUDING TIE-OUT AREAS**) by 8:30 a.m. or within 2 hours after the loading of the animal.
 3. All equipment used for livestock sale and picnic tables shall be put in storage.
 4. All bedding shall be removed from buildings and placed in manure pits.
 5. All outside livestock tie-up areas (4-H campgrounds) shall be cleaned to a sanitary condition.
 6. All trash shall be picked up around all barns, in 4-H campgrounds, 4-H livestock trailer area and sale picnic area.
 7. All equipment used for livestock shall be returned to storage areas (sheep, hog, and goat pens, poultry cages, rabbit cages & stands).
 8. All barn floors shall be rinsed.
 9. Exhibitors are responsible for returning all borrowed panels.
 10. Wash racks shall be cleaned to sanitary conditions.
 11. All livestock exhibitors, including Rabbits and Poultry, who fail to clean their area will be suspended from exhibiting an animal in that area the next year.
 12. Cleaning the roof under the grandstand is NOT a 4-H responsibility.
 13. Exhibit display items in Barn 4 shall be returned to storage. Barn 4 shall be swept.

2017 LIVESTOCK HEALTH REQUIREMENTS

State of Kansas

Kansas Animal Health Department

William L. Brown, Livestock Commissioner

708 S. Jackson, Topeka Kansas 66603-3714

Phone 785/296-2326 FAX 785/296-1765

e-mail wbrown@kahd.ks.gov

KANSAS ORIGIN LIVESTOCK

GENERAL REQUIREMENTS

All animals are subject to examination by the exhibition staff or their representatives, and shall be free of clinical signs of infectious or contagious disease. Animals determined by exhibition staff to have not met listed requirements will not be permitted to exhibit. *A certificate of veterinary inspection (CVI, health paper) issued by a licensed and accredited veterinarian in the state of origin within 30 days before the exhibition and any additional requirements shall be county options.*

CATTLE AND BISON

The Kansas Department of Agriculture Division of Animal Health (KDAH) requires no tests on cattle and bison of Kansas origin. Cattle determined by exhibition staff to have lesions of ringworm, warts or infested with mange will not be permitted to exhibit.

SWINE

Swine originating in Kansas must meet the general requirements. Kansas has obtained Stage V status in the National Pseudorabies Program, and the state is classified free of swine brucellosis. Negative pseudorabies and brucellosis tests are not required for Kansas origin swine.

SHEEP

In addition to the general requirements, all sheep shall:

- Be free of any signs of sore mouth
- Be free of signs of active fungal (ringworm) infection, including club lamb fungus
- Be identified with an official USDA premises identification tag (Scrapie tag.)

GOATS

In addition to the general requirements, all goats shall:

- Be free of any signs of sore mouth
- Be free of signs of lesions of ringworm, warts or infestation of mange
- Be identified with a registered tattoo or an official USDA premises ID tag (Scrapie tag.) Goats identified with registration tattoos must have legible tattoos and must have registration papers for these animals available for inspection.

HORSES

Horses shall meet the general requirements. *A negative test for equine infectious anemia (Coggins Test) within 12 months prior to exhibition should be considered, but this is not required by the KDAH. Counties also may want to consider recommending a comprehensive vaccination protocol, including Equine Herpes Virus-1, but this is also not required by KDAH.*

POULTRY

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

- Originate from a U.S. Pullorum-Typhoid clean flock as evidenced by an official VS Form 9-2, certifying all birds in the flock over four months of age have had a negative test for pullorum-typhoid within the past year.
- Present evidence that the entries were purchased from a U.S. Pullorum-Typhoid clean source and have been the only poultry on the premises (*Presentation of a VS 9-3 Form received when poultry were purchased*).
- Present an official VS 9-2 Form, signed by an official testing agent showing the entries have had a negative pullorum-typhoid test within the preceding 90 days.
- If an official tester is on-site at the county fair, entries may be tested prior to entry into the facility. A VS 9-2 Form must be completed for each entry. If any birds in an entry test positive for pullorum-typhoid, the entire entry as well as all other birds from the same premises will be refused. *Therefore, it is strongly recommended that birds be tested prior to arriving at the fair.*

LIVESTOCK ORIGINATING FROM OTHER STATES

GENERAL REQUIREMENTS

All livestock entering Kansas shall follow all KDAH import requirements. The import requirement list is available at www.agriculture.ks.gov/animalhealth or by calling KDAH at (785) 564-6601. In addition, all livestock must meet the following requirements:

- Be free of clinical signs of infectious or contagious disease. Animals with lesions of ringworm, warts, infested with mange or any other infectious or contagious disease, as determined by exhibition staff, will not be permitted to exhibit.
- Be accompanied by a CVI issued within 30 days before exhibit. This must be available, upon request, to the exhibition staff.
- All cattle, swine, sheep and goats, including steers and spayed heifers, must be individually identified by a USDA-approved ear tag (metal, 840-compliant, or premises tag), official breed registration tattoo or tag, or breed association ear notch for swine.
- All identification numbers must be individually listed on the accompanying CVI.
- If registration tattoos are used, the registration papers must be available for inspection, and both the FULL registration number and tattoo number must be written on the CVI.
- All required tests must be conducted by a state-approved laboratory.
- TB testing, if required, must be conducted by a veterinarian who is licensed and accredited in the state of origin.
- All animals are subject to examination by the exhibition staff or their representatives.

CATTLE AND BISON

All cattle and bison entering Kansas must meet the general requirements.

SWINE

In addition to the general requirements, all swine entering Kansas must meet one of the following:

- Originate from a qualified pseudorabies-free/validated brucellosis-free herd. The current qualified/validated number must appear on the CVI. (Hogs from monitored pseudorabies herds do not qualify under this requirement.)
- Originate from a state of Stage IV or V status in the National Pseudorabies Program.
- Originate from a Swine Brucellosis free state
- Any swine not originating from Stage IV or Stage V Nation Pseudorabies Program states, and any swine not originating from swine brucellosis free states, must show evidence on the CVI that swine have been tested negative for pseudorabies (by serum neutralization) and brucellosis within 30 days before entry into Kansas, and that the herd of origin has had no positive cases of pseudorabies within the previous 12 months.

NOTE: SWINE VACCINATED FOR PSEUDORABIES SHALL NOT BE ALLOWED INTO KANSAS FOR EXHIBITION OR ANY OTHER PURPOSE.

SHEEP

In addition to the general requirements, all sheep entering Kansas shall be free of any signs of sore mouth or active fungal (ringworm) infection, including club lamb fungus. Sheep must be identified with an official USDA premises ID tag (Scrapie tag.)

GOATS

In addition to the general requirements, all goats entering Kansas must be identified with a registered tattoo or an official USDA premises ID tag (Scrapie tag.) Goats identified with registration tattoos must have legible tattoos and must have the registration papers for these animals available for inspection.

HORSES

In addition to the general requirements, all horses entering Kansas must be accompanied by a VS10-11 or equivalent form showing evidence of a negative EIA (Coggins) test conducted by a state-approved laboratory within 12 months before entry into Kansas. Foals, six month of age and younger, accompanying their EIA-negative dams, are exempt from EIA test requirements.

POULTRY

All poultry entering Kansas, except waterfowl, must show proof that they are pullorum – typhoid clean by one of the following methods:

- Originate from a NPIP certified U.S. Pullorum-Typhoid clean flock as evidenced by an official VS Form 9-3, certifying all adult poultry in the flock have had a negative test for pullorum-typhoid within the past year. (Adult poultry are any turkeys over 12 weeks of age and any other poultry over 16 weeks of age.)
- Be accompanied by an official VS Form 9-3 signed by the official NPIP representative in the state of origin or by a health certificate that has been issued within the previous 30 days.
- In addition to the VS 9-3 or CVI, out-of-state poultry must have a "Permit to Ship Poultry or Hatching Eggs" issued by the KDAH within the previous year or a permit number issued by the KDAH office within the previous 15 days.

LIVESTOCK

GENERAL LIVESTOCK RULES

1. Exhibitors must be bonafide members of FFA, 4-H Clubs or other youth organizations in the county. All youth participants must be at least seven years of age before January 1 of the current year. Exhibitors must not have reached 19 before January 1 of the current year to be eligible to participate.
2. All market livestock species must have been tagged and/or weighed at the official spring county weigh/tag day as set by the Cowley County Extension Office.
3. Pre-entry for all exhibits is due in the County Extension Office by 5:00 p.m., Wednesday, July 5, 2017. ALL ENTRIES MUST BE MADE ON THE OFFICIAL ENTRY FORMS WHICH WILL BE PROVIDED FOR EACH EXHIBITOR AND 4-H CLUB LEADER OR FFA CHAPTER ADVISOR. For late entries to be accepted, they must be submitted within 72 hours of the published deadline and accompanied with a \$30 fee/entry form. Entries

received after the 72-hour grace period will not be accepted and will be returned to the exhibitor. Entries may be deleted at fair check-in, but additional entries will not be accepted.

4. Exhibitors are limited to exhibiting a total of 4 head in each specie.
5. Entries must be made in every Class in which an animal is to be shown as an individual, except in the case of champions. No animal can be entered in more than one individual Class and an exhibitor can show only two animals in any one Class.
6. Weigh-in for Beef, Swine, Meat Goats and Sheep on Thursday will be as follows:
 - Beef: 9:00 a.m. - 10:00 a.m. - Beef Barn
 - Meat Goats: may begin as meat goats arrive, no earlier than 8:00 a.m. and must be complete by 10:00 a.m. - Sheep/Goat Barn**
 - Sheep: may begin as sheep arrive, no earlier than 8:00 a.m. and must be complete by 10:00 a.m. - Sheep/Goat Barn**
 - Swine: may begin as swine arrive, no earlier than 8:00 a.m. - Swine Barn
7. Exhibits must be in place by 5:30 p.m., Thursday, August 3, unless specified otherwise. All livestock exhibits will be released at 10:00 p.m. on Monday.
8. Exhibitors will be awarded premium money only one time on each animal entered.
9. For all entries in livestock breeding classes, the exhibitor will be required to show the name, date of birth and registry number (if required) of animal to superintendent(s) at check-in.
10. No animal that is shown in the market class will be eligible to show in the breeding class, or no animal shown in the breeding class will be eligible to show in the market class.
11. Members shall be on hand to exhibit their entries. Failure without just cause (i.e. participation in other 4-H/Youth activities) or due to unforeseen circumstances will result in exhibitor forfeiting the right to participate in the livestock sale. In case an exhibitor has more than one entry in the same class, another Cowley County 4-H/FFA member may assist the exhibitor.
12. Exhibitors must show their own animal in showmanship. Showing another family member's animal in showmanship will not be allowed.
13. Any person making a false entry or misrepresenting his animal as to age, registration or in any other manner, will forfeit any prize that may have been awarded and will be excluded from all competition.
14. In the Livestock, Rabbit and Poultry Divisions, each exhibitor must clean, water and feed their exhibits by 9:00 a.m. All livestock exhibits must be in place in the barns by 8:30 a.m. Livestock exhibits shall remain in the exhibit area until 10:00 p.m. each day of the fair and be kept in a sanitary condition at all times. Cattle may tie-out at 9:00 p.m. Thursday. Any type of physical abuse to an animal or failure to keep animals fed, watered and clean will result in loss of premium money or immediate expulsion from the fair, depending on the severity of the abuse. Any person witnessing an abuse should notify one of the following: Superintendent, County Extension Agent(s), or Cowley County Fair Office. A committee of two superintendents, one Extension Agent and two Fair Board members will act on the alleged abuse.

15. Fair superintendents reserve the right to combine classes due to insufficient number of entries.
16. All blankets must be removed from livestock during the visiting hours at the fair after animals have been shown.
17. No straw allowed. Bedding will be furnished by Fair Association.
18. In cases where special prizes are offered by commercial organizations, individuals or breed associations, it is up to the exhibitor to claim these prizes. The Fair Association will not be responsible for notifying either the exhibitor or the organizations offering the special prizes.
19. The superintendent of each division in the livestock department will assign all space or stalls, and shall have full authority to move or rearrange exhibits when, in their judgment, it becomes necessary. Exhibitors must have a stall card in place above each pen or stall.
20. Each livestock exhibitor must clean their exhibit area(s) by 8:30 a.m. Tuesday morning. It is expected that each exhibitor is responsible for cleaning their own area.
21. EXHIBITORS REMOVING ENTRIES PRIOR TO OFFICIAL RELEASE TIME WILL FORFEIT ALL PREMIUM MONEY.
22. All livestock will be groomed, fitted and cared for show by exhibitor. Cooperation between exhibitors and family members is encouraged. ABSOLUTELY no professional groomers.
23. Market Hogs must weigh 230 to 290 pounds, Market Lambs must weigh a minimum of 95 Pounds, Meat Goats must weigh a minimum of 50 pounds and Market Steers and Market Heifers must weigh a minimum of 1,050 pounds.
24. There will be no re-weigh for livestock. The first weight will be the official weight. NO EXCEPTIONS!
25. Each species' show schedule will be at the discretion of the superintendent(s).
26. All livestock will be released from the fair from 10 p.m.-midnight on Monday. EXHIBITORS MUST CHECK-OUT WITH THE SUPERINTENDENT MONDAY NIGHT AND SIGN-IN WITH THE SUPERINTENDENT ON TUESDAY FOR FAIR CLEANUP.
27. Superintendents have the discretion to divide classes as they see fit.
28. Tag change policy: When an animal loses a tag, the exhibitor must contact the Cowley County Extension Office in writing as soon as said tag is noticed to be missing. Include the following information: Specie, previous tag number, breed, sex of animal and statement verifying that the animal is the same animal that was tagged at the official tagging day. Ear tags that are lost after the pre-entry deadline must still be submitted in writing to the Extension Office, but will be handled on a case by case basis.
29. A showmanship contest will be held for all species during the appropriate show. Classes may be combined. No premiums will be awarded. Showmanship age division is based on age of exhibitor before January 1 of the current 4-H year. Senior: 14 years of age and over, Intermediate: 10-13, Junior: 7-9.
30. Only SENIOR division champion and reserve champion showmen in Beef, Sheep, Swine, Meat Goats, Dairy Cattle, Dairy Goats, and Horse are eligible to compete in the Round Robin Showmanship contest. Exhibitors must show

the animal they qualified with in that species' showmanship. Showing another family member's animal in showmanship will not be allowed.

31. Bred and Owned classes are offered in the breeding division for each specie. To comply with the definition of "Bred and Owned", the animal must be the offspring of a dam owned by the 4-H member prior to breeding, during the gestation period, and after the birth of the animal. The purpose of the Bred and Owned division is:
- Provide expanded opportunities for those 4-H animal project members that excel at their project.
 - Encourage 4-Hers who produce and exhibit their own project animals by promoting breeding projects.
 - Reward those 4-Hers for the extra effort required and the learning opportunity provided by caring for breeding projects.
- The top placing bred and owned animals in each breed will be eligible for the Bred and Owned Grand Drive. A Champion and Reserve Champion Bred and Owned animal will be selected in each specie.
32. Changes to show classes will not be allowed within 2 hours of the show beginning.
33. Ownership deadline for all breeding livestock is June 1 of the current 4-H year.
34. Herdsmanship judging for beef cattle, sheep, swine, goats, bucket calves, dairy cattle, rabbits, and poultry will be held on Friday, Saturday, Sunday and Monday of the fair and will be in accordance with following scorecard:

Herdsmanship Scorecard

- A. COOPERATIVE EFFORT..... 20 points
1. Willingness to cooperate with show management.
 2. Courtesy and willingness to follow rules.
 3. General courtesy to the public.
 4. Neat appearance of exhibits.
- B. ANIMALS..... 30 points
1. Animals tied or stalled for best effect.
 2. Animals kept properly fitted.
 3. Animals adequately bedded.
 4. Animals fed and watered regularly.
- C. STALLS AND AISLES..... 50 points
1. Aisles kept free and clean for spectators use.
 2. Exhibit cards neatly displayed.
 3. Feed kept in feed areas.
 4. Equipment kept in show boxes.
 5. Stalls kept clean, neat and dry.
- TOTAL POSSIBLE PER DAY..... 100 points

At the conclusion of the fair, all daily scores will be totaled and cash awards will be presented to the top three clubs/chapters as follows: 1st-\$25, 2nd-\$15, 3rd-\$10

35. ALL LIVESTOCK WILL BE SUBJECT TO DRUG TESTING. Any drug-related problems involving livestock shall result in the banishment of exhibitor and immediate family from all future Cowley County Fair livestock exhibits and

- any refusal and/or failure to cooperate with the Cowley County Fair Association during testing will result in disqualification and banishment.
36. Exhibitors who fail to properly feed, water, and/or care for their animals shall forfeit premium money and will not be allowed to exhibit that specie of livestock at the Cowley County Fair the following year.
 37. Beginning with the 2011 Cowley County Fair, for the safety of fair exhibitors, livestock, and fair attendees, the Cowley County Fair Association has adopted the NEC Code of 2002. Therefore, all electrical equipment must have a cord with a three wire ground or be double insulated. Fans for livestock must be inspected prior to use at the Cowley County Fair. Box fans do not meet these requirements.
 38. At the discretion of the superintendents, livestock will be used for the Livestock Judging Contest.
 39. Livestock exhibitors must sign the wholesome meat statement included with pre-entry forms and turn in to the Extension Office with fair pre-entries by July 5, 2017.
 40. Clean up will not begin until 11:30 p.m. Monday night, or after all base bid animals have been loaded.

MARKET LIVESTOCK SALE

Auction Clerk - Edw. B. Stephenson & Co., CPA

Monday, August 7, 2017 - 6:45 p.m.

Cowley County Fairgrounds

1. The 4-H and FFA Market Livestock Sale will be for Market: Beef, Swine, Sheep, Goat and Rabbit Meat Pen only.
2. The sale order for 2017 will be: Meat Goat, Sheep, Beef, Swine
3. Animals sold through the sale must be exhibited at the Cowley County Fair.
4. Each 4-H and FFA exhibitor can participate in the Market Sale with one animal or rabbit meat pen only, and must exhibit their own animal in the sale ring.
5. The Market Livestock Sale Committee will announce a base bid on all species prior to the sale to be used only on all market animals sold through the Cowley County Fair. The base bid for all market animals will be subject to discounts for weight ranges according to industry standards. Discounts will be announced prior to the sale.
6. A charge of 3 percent of the total premium value only will be made for all animals. No commission will be charged on the base bid value of the animal. This fee is used to provide a special barbecue honoring buyers and other supporters of the Market Livestock Sale. It also covers advertisements, buyer's ribbons, and supplies.
7. All market livestock will be shown and sold based on official weight at fair weigh-in.
8. Each exhibitor must complete an "Intent to Sell" card for all market animals. This card must be turned in to the species superintendent by noon on Saturday. There will be a 3% dock of premium money for cards which are turned in late or marked incorrectly.
9. All animals entering the sale ring will be sold and must be delivered to a state inspected locker plant or to the base bid buyer.
10. Steers must be controlled without use of extra ropes or lariats.

11. 4-H and FFA members selling animals through the sale are expected to feed, water and care for them up until the time they are loaded on the truck.
12. To qualify for the auction, market animals' weight must fall within the following ranges. No shrinkage will be calculated on any animals.
 - Market steers/heifers- minimum of 1,050 pounds
 - Market hogs- 230-290 pounds
 - Market lambs- Minimum of 95 pounds
 - Rabbit meat pen- 3-5 pounds each
 - Market goats- minimum of 50 pounds.
13. The Market Livestock Sale is terminal.

BEEF CATTLE - DIVISION 1-A

Superintendents: Kyle and Angie Ruyle

1. ALL Market Steers and Market Heifers shown at the Cowley County Fair must have been weighed and ear tagged at the official spring weigh-in set by the County Extension Office. The minimum weight for Market Steers and Heifers is 1,050 pounds.
2. All livestock must be checked/weighed-in and in place by 5:30 p.m. Thursday, August 3, 2017. Market Beef must weigh-in from 9:00 a.m. – 10:00 a.m. in the Beef Barn.
3. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 4.
4. When animals are not being fed, watered, or in cases of extreme heat, cattle shall remain at the barns.
5. To be eligible to compete in this division, an exhibitor must own and manage his or her animals by March 5, 2017.
6. Registered and Commercial Heifers will show in separate Classes. All Registered heifers must have registration or transfer papers in the sole name(s) of the exhibitor and dated no later than June 1 of current year. Heifers may be co-owned and co-registered by two or more 4-H/FFA members of the same family. Registration papers are to be presented at check-in time. Other Breed heifers for which separate Classes are not established that are registered will show in the Registered Other Breeds division. All unregistered heifers will show in the Commercial division and must be accompanied by a Breeding Livestock Affidavit.
7. Each 4-H Club/FFA chapter will stall their beef cattle together. Stall assignments will be made by the superintendents.
8. The Cowley County Fair Beef Show will be a 'No Fit' show. 'No Fit' is defined as using no adhesive, glue, paint or powder products. Violation of this rule will lead to total disqualification of a 4-H/FFA member from the show and all premiums forfeited.
9. Champion and Reserve Champion Market Heifers and Market Steers from each Division will compete for Grand Champion Market Beef and Reserve Champion Market Beef. There will be no Grand/Reserve Champion Market Steer and no Grand/Reserve Grand Champion Market Heifer.
10. Beef exhibitors must notify superintendents by Thursday at 5:30 p.m. where their tie-outs are located.

BEEF SHOWMANSHIP

Class 1 - Senior Showmanship (14 years of age and over).

- Class 2 -** Intermediate Showmanship (10-13 years of age).
Class 3 - Junior Showmanship (7-9 years of age).
For more showmanship information, see Livestock General Rules, #29.

MARKET STEERS

The classification for judging will be based on weight. Animals in each breed division will be divided by weight to make uniform Classes. Decisions on the division of Classes will be made by the superintendents. Entry should be made by breed only. All Market Beef will show in breed entered with the superintendent(s) having the right to reclassify in extreme cases.

- Class 4 -** *Feeder Cattle (all steers and Heifers under 1,050#)
Class 5 - Angus Steers
Class 6 - Hereford Steers
Class 7 - Shorthorn Steers
Class 8 - Charolais Steers
Class 9 - Chianina Steers
Class 10 - Limousin Steers
Class 11 - Maine Anjou Steers
Class 12 - Gelbvieh Steers
Class 13 - Simmental Steers
Class 14 - AOB Steers
Class 15 - Crossbred Steers
Class 16 - Dairy Steers

*Ineligible for Champion or market livestock sale

MARKET HEIFERS

The classification for judging will be based on weight. Animals in each breed division will be divided by weight so as to make uniform classes. Decisions on the division of classes will be made by the superintendent. Entry should be made by breed only. All Market Beef will show in breed entered with the superintendent(s) having the right to reclassify in extreme cases.

- Class 17 -** English or Other Purebred Market Heifers (ie, Angus, Hereford, Shorthorn)
Class 18 - Continental Other Purebred Heifers (ie; Chianina, Charolais, Gelbvieh, Limousin, Maine-Anjou)
Class 19 - Crossbred Heifers

BREEDING HEIFERS

Breeds listed will be shown in separate classes if numbers warrant: ANGUS (All entries are subject to the provisions of a rule of the American Angus Association entitled "Eligibility, Conformation and Structure of animals presented for Exhibition" effective June 16, 1975.), CHIANINA, CHAROLAIS, HEREFORD, LIMOUSIN, SIMMENTAL, SHORTHORN, REGISTERED OTHER BREEDS, APPENDIX SHORTHORN, MAINE ANJOU, MAINETAINER, COMMERCIAL.

- Class 20 -** Junior Heifer Calves, calved after Jan. 1 of the current year, 2017.
Class 21 - Senior Heifer Calves, calved between Aug. 1 and Dec. 31 of the previous year, 2016.
Class 22 - Summer Yearling Heifers, calved between May 1 and July 31 of the previous year, 2016.

- Class 23** - Junior Yearling Heifers, calved between Jan. 1 and April 30 of the previous year, 2016.
- Class 24** - Senior Yearling Heifers, calved between August 1 and December 31, 2015.
- Class 26** - Bred and Owned Heifers

COW CALF CLASS

Cow-calf pairs may arrive the day of the show (Friday, August 4) and will be released following the show.

Cow-calf pairs are not eligible for Champion Heifer and cannot be shown in another class if shown as a cow-calf pair.

Calf must be most recent natural calf born after January 1, 2017.

Cow-calf pair will be considered as a pair when placed by the judge.

Pairs must be shown haltered.

Class 27 - Cow-calf pair (please note breed on entry form)

SECOND YEAR BUCKET CALVES

The purpose of the Second Year Bucket Calf classes is to allow exhibitors to show their bucket calf project from the previous year against other animals in their peer group.

Second Year Bucket Calves must have been exhibited the previous year as a Bucket Calf.

1. Calves must be identified by a 4-H eartag.
2. Steers must weigh-in at the county weigh-in designated by the Extension Office.
3. Calves will be shown at halter with a showstick.
4. Calves may be clipped, but will follow "No Fit" rules.
5. Steers and Market Heifers will show against Market Beef and will be eligible to sell in the Market Livestock Sale as long as they reach a minimum weight of 1050 pounds and are weighed in on August 3.

Class 28 - Second Year Bucket Calf Steers

Class 29 - Second Year Bucket Calf Heifers

Class 30 - Second Year Bucket Calf Market Heifers

GROUP EXHIBIT

Class 31 - Group of Five Beef Cattle. Must be owned by 3 different individuals belonging to the same club or chapter. Any club or chapter may enter as many groups as possible, but cannot collect more than two cash awards. 1st-\$15; 2nd-\$12; 3rd-\$10; 4th-\$7.50; 5th-\$5; 6th-\$2.50.

BEEF PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Breed Reserve Champion	Ribbon
Purple/Blue	\$5.00
Red	\$3.00
White	\$2.00

MARKET BEEF RATE OF GAIN CONTEST

1. 4-H/FFA Market Steers must have been weighed on March 5, 2017 at the Winfield Livestock Auction (beginning weight).
2. 4-H/FFA Market Steers must weigh on Thursday, August 3, 2017 at the Cowley County Fairgrounds (ending weight) and must be exhibited at the 2017 Cowley County Fair.
3. Rate of gain will be calculated on all steers which meet criteria 1 - 2 as follows: Average Daily Gain (ADG) = Ending weight - Beginning weight/151 days (March 5-August 3).
4. 4-H/FFA Market Steers which meet requirements 1 - 3 will be ranked (highest to lowest) according to ADG.

BUCKET CALF - DIVISION 1-B

Superintendents: Myles and Kim Grant

1. Exhibitor must be 13 years old or younger (before January 1 of the current year).
2. The orphaned or newborn calf may be male or female. It may be beef, dairy or cross.
3. All bucket calves must be calved after January 1 and before May 31 of the current year.
4. The calf must be fed on bucket or bottle.
5. Conference Judging will be used. It will be based on:
 - What the 4-H'er learned about caring for and raising of the calf.
 - The general health of the calf and the knowledge of the 4-H'er in health related areas.
 - Cleanliness
 - What the 4-H'er has learned about fitting and showing.
6. Calves are shown on a halter.
7. The use of show sticks while showing is permitted and is at the discretion of the exhibitor.
8. Bucket calf exhibitors are not eligible for Grand Champion Showman.
9. Classes will be divided at the discretion of the superintendents.
10. Bucket calves are to be at least 60 days of age to be shown.
11. All bucket calves are to be properly identified with the official Kansas 4-H ear tag.
12. All livestock will be released from the fair from 10 p.m. – 11:59 p.m. on Monday, August 7, 2017. EXHIBITORS MUST CHECK-OUT WITH THE SUPERINTENDENT MONDAY NIGHT AND SIGN-IN WITH THE SUPERINTENDENT ON TUESDAY FOR FAIR CLEANUP.

- Class 32 -** Junior Bucket Calf (Exhibitor age 7-9)
Class 33 - Intermediate Bucket Calf (Exhibitor 10-13).

BUCKET CALF PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$3.00
Red	\$2.00
White	\$1.00

SWINE -DIVISION 1-C

Superintendents: Brian and Vickie Thiel

Assistant Superintendents: Brian Hopkins, Scott Biddle

Junior Superintendent: Torrie Thiel

1. Pigs farrowed before January 1, 2017, are not eligible to compete.
2. Pens will be assigned by the superintendents.
3. A minimum of five (5) animals must be entered to form a breed class. Fewer than five animals will be entered in Class 42-Other Purebred. If fewer than 5 entered in other purebred class animals will be entered in crossbred class.
4. Market Swine will be divided into classes by breed and weight. Breeding Gilts will be divided into classes by weight. Superintendent(s) have the right to reclassify in extreme cases and have final classification on Classes; i.e. number in Class and size of Class.
5. The Grand Champion and Reserve Grand Champion Market Hogs will be sold through the Market Livestock Sale or at base bid and must be slaughtered.
6. Snaring of swine is prohibited.
7. During the swine show, exhibitors will be limited to one helper in the holding area.

SWINE SHOWMANSHIP

Class 34 - Senior Showmanship (14 years of age and over).

Class 35 - Intermediate Showmanship (10-13 years of age).

Class 36 - Junior Showmanship (7-9 years of age).

For more showmanship information, see Livestock General Rules, #29.

MARKET HOGS

Class 37 - Berkshire

Class 38 - Duroc

Class 39 - Hampshire

Class 40 - Chester White

Class 41 - Spots and Poland

Class 42 - Yorkshire

Class 43 - Other Purebred

Class 44 - Crossbred

***Class 45 -** Feeder pigs (all pigs under 230 pounds)

***Class 46 -** Overweight Pigs (all pigs over 290 pounds)

*Ineligible for Champion or market livestock sale

BREEDING GILTS

Class 47 - Berkshire

Class 48 - Duroc

Class 49 - Hampshire

Class 50 - Chester White

Class 51 - Spot and Poland China

Class 52 - Yorkshire

Class 53 - Other Purebred

Class 54 - Commercial

Class 55 - Bred and Owned

SWINE PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Breed Reserve Champion	Ribbon
Purple/Blue	\$4.00
Red	\$2.50
White	\$1.00

SHEEP - DIVISION 1-D

Superintendents: Greg and Tami Norwood, Emilie and Trevor McLain

1. All sheep must have a Scrapies tag, including wethers.
2. Market Lambs will weigh from 8:00 a.m. - 10:00 a.m. All livestock must be vet checked, on grounds and in place by 10:00 a.m. Thursday, August 3, 2017. A veterinarian will be present to inspect all sheep for general health and presence of fungal lesions at a designated unloading area before entering the sheep barn. Sheep which do not meet general health requirements or are found to be infected with fungal lesions, as determined by the veterinarian, will be sent home and not permitted to show or sell. Any non-lesioned sheep transported on the same vehicle with infected sheep will also be sent home. The decision of the inspecting veterinarian is final. The veterinary inspection will be held from 8:00 a.m. to 10:00 a.m.
3. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 4.
4. Market Lambs born prior to Jan. 1 of the current year are ineligible to compete.
5. The basis for determining age of Breeding Sheep is Sept. 1 of the preceding year.
6. Market Lambs will be divided into classes by breed and weight. Breed classification - All Market Lambs will show in breed entered with the superintendent/breed classifier having the option to reclassify in extreme cases.
7. A minimum of five (5) Market Lambs must be entered to form a class. If fewer than five are entered, the lambs will be entered in the crossbred class.
8. At the time of weigh-in and showing, all Market Lambs must be slick shorn with an even length of wool covering above the hock and knee (head and belly excluded). Wool length shall not exceed .2 inch. Market Lambs with excessive or uneven wool will not be weighed in.
9. The use of artificial coloring, except on hooves, is prohibited.
10. Exhibitors who abuse an animal will be barred from showing and will forfeit any premium, ribbon or prize won. The word abuse includes: beating, slapping, using an electric prod or forcing a lamb into a solid object in an attempt to make the animal brace more firmly. Bracing a lamb by holding the front feet off the ground also constitutes abuse.
11. Registered and commercial ewes will be shown in separate classes. Registered ewes must have ear tags/tattoos as required by their respective breed associations. Registration papers must be present at check-in time.
12. Registration or transfer papers for ewes in the breeding class must be in the name of the exhibitor. Breeding Sheep may be owned and co-registered by

- the exhibitor and members of the immediate family. The flock tag number must match the number on the registration papers.
13. There will be no wool length requirements on breeding ewes.
 14. Sheep shall not be fed in pens: they must be fed away from the barn and pens.
 15. Do not leave sheep unattended at sheep stands.
 16. The first and second place sheep from each breed class will be brought back for selection of the Grand Champion.
 17. Open storage of hay and grain in tack pens will not be permitted. Hay and grain must be kept in a tightly sealed container at all times.

SHEEP SHOWMANSHIP

- Class 56** - Senior Showmanship (14 years of age and over)
Class 57 - Intermediate Showmanship (10-13 years of age)
Class 58 - Junior Showmanship (7-9 years of age)

For more showmanship information, see Livestock General Rules, #29.

MARKET LAMBS

- Class 59** - Dorset
Class 60 - Hampshire
Class 61 - Suffolk
Class 62 - Crossbred
Class 63 - Natural
***Class 64** - Feeder Lambs (all lambs under 95 pounds)

*Ineligible for Champion or market livestock sale

BREEDING EWES

BREEDS: Registered Dorset, Registered Hampshire, Registered Suffolk, Other Registered Breeds and Commercial

- Class 65** - Ewe Lamb (Born September 1, 2016 or later)
Class 66 - Yearling Ewe (Born Sept 1, 2015 to August 31, 2016)
Class 67 - Bred and Owned Ewe

GROUP EXHIBIT

Class 68 - Group of Five Sheep. Must be owned by 3 different individuals belonging to the same club or chapter. Any club or chapter may enter as many groups as possible, but cannot collect more than two cash awards. 1st-\$15; 2nd-\$12; 3rd-\$10; 4th-\$7.50; 5th-\$5; 6th-\$2.50.

SHEEP PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Breed Reserve Champion	Ribbon
Purple/Blue	\$4.00
Red	\$2.50
White	\$1.00

DAIRY CATTLE - DIVISION 1-E

Superintendent: Becky Henderson, Andy Murphy

1. All livestock must be on grounds and in place by 5:30 p.m. Thursday, August 3, 2017.
2. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 4.
3. Exhibitor must have owned or leased the dairy animal for 100 days before showing. All lease, registration and transfer papers on purebred animals must be made in the name of the exhibitor and be dated no later than June 15 of the current year.
4. A cow, in order to be eligible to be shown, must have been owned or leased by the exhibitor as a calf or a heifer.
5. Animals shown in this division may be either purebred or grade, but exhibitors are strongly urged to show purebred animals.
6. In case the number of entries justify, as determined by the superintendent, the heifer and cow classes may be combined or divided as needed.
7. Milking Cow Classes may be brought the day of the show by 10:00 a.m. and released after completion of the Dairy Cattle show. All other dairy cattle entries shall be in place on Thursday at 5:30 p.m.

DAIRY FITTING AND SHOWING

- Class 69 -** Senior Showmanship (14 year of age and over)
Class 70 - Intermediate Showmanship (10-13 years of age)
Class 71 - Junior Showmanship (7-9 years of age)

For more showmanship information, see Livestock General Rules, #29.

DAIRY CLASSES

Breeds: Holstein, Jersey, Milking Shorthorn, Ayrshire, Brown Swiss, Guernsey, AOB

- Class 72 -** Junior Calf born March 1 to June 30, of current year
Class 73 - Intermediate Calf, Born December 1 previous year to February 28, current year
Class 74 - Senior Heifer Calf, born September 1 to November 30, previous year
Class 75 - Summer Yearling born June 1 to Aug 31, previous year
Class 76 - Junior Yearling Heifer born March 1 to May 31, previous year
Class 77 - Winter Yearling Heifer born Dec 1, 2015 to Feb 29, previous year
Class 78 - Senior Yearling Heifer born Sept 1 to Nov 30, 2015
Class 79 - Dry Cow, any age
Class 80 - Junior Two Year Old Cow born March 1 to Aug 31, 2015
Class 81 - Senior Two Year Old Cow born Sep 1, 2014 to Feb 28, 2015
Class 82 - Junior Three Year Old Cow born March 1 to Aug 31, 2014
Class 83 - Senior Three Year Old Cow born Sep, 1 2013 to February 28, 2014
Class 84 - Four Year Old Cow born Sep, 1 2012 to Aug 31, 2013
Class 85 - Five Year Old Cow born Sep 1, 2011 to Aug 31, 2012
Class 86 - Aged Cow born before Sep 1, 2011
Class 87 - Bred and Owned Dairy Cow/Heifer

GROUP EXHIBIT

Class 88 - Group of Three Dairy Cattle. Must be owned by 3 different individuals belonging to the same club or chapter. Any club or chapter may enter as many groups as possible, but cannot collect more than two cash awards. 1st-\$15; 2nd-\$12; 3rd-\$10; 4th-\$7.50; 5th-\$5; 6th-\$2.50.

DAIRY PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$5.00
Red	\$4.00
White	\$3.00

HORSE - DIVISION 1-F

Superintendent: Angie Krepps
Junior Superintendent: Brayden Krepps, Anna Hixon
Horse Show
Saturday, July 29, 8:00 a.m.
Entry Time Begins - 7:00 a.m.
Burden Arena, Burden, KS

1. Show regulations, scoring procedures and class requirements will be followed in accordance with the latest edition of the Official Kansas 4-H Horse Show Rule Book (S-37). Copies are available at the County Extension Office or at www.kansas4-h.org.
2. Horse Ownership: Exhibitor or members of their immediate family must have owned the horse prior to May 1 of the current year OR the horse may be leased in accordance with leasing provisions listed in section 1.2 of the 4-H Kansas Horse Show Rule Book. Whether owned or leased, members must have managed the horse at least 75 percent of the time from May 1 through September 30 of the project year.
3. Dress Code: Long pants and a long-sleeved shirt or blouse and western hat must be worn. Pants, shirt and blouses may vary in color. Extremes of style and/or color, while permissible, are not representative of western attire and do not allow the exhibitor to be presented in a professional manner. In no instance shall "fancy" attire count over a nice, neat workman-like appearance.
4. Contestant number to be worn on back of contestant for in-hand classes and on both sides of the saddle pad for riding classes.
5. Exhibitors will be limited to 2 horses.
6. An exhibitor should not be allowed to show a horse which he/she cannot handle. The judge has the right to dismiss an exhibitor from the ring and disqualify him/her if he/she does not have sufficient control of their mount.
7. Mistreatment of horses will NOT be tolerated. Exhibitors will be disqualified immediately if found mistreating an animal. This rule will be enforced. Decisions by superintendent/judge/agent are final.
8. Timed events will start from standing position in arena. No running exits. Over and under ropes, on or off the saddle horn are not permitted. A rider

- who chooses to wear a western hat which is lost during the run will be given a two-second penalty.
9. The judge's decision is final in all halter, showmanship, and performance classes.
 10. No stallions are permitted to be shown.

SHOWMANSHIP

- Class 90** - Senior Showmanship (14 years of age and over)
Class 91- Intermediate Showmanship (10-13 years of age)
Class 92 - Junior Showmanship (7-9 years of age)
Class 93 - Horseless Horse Showmanship

For more showmanship information, see Livestock General Rules, #29.

HALTER CLASSES

Horses exhibited at halter will enter one of the following two divisions: 1) Stock-Type: includes but not limited to, Appaloosa, Buckskin, Paint, Palomino, Pinto, Quarter Horse; 2) Non-Stock type: includes but not limited to, Arabian, American Saddlebred, Missouri Foxtrotter, Morgan, Tennessee Walking Horse.

- Class 94** - Stock Type Geldings (Any Age)
Class 95 - Non-Stock Type, Miniature and Pony Geldings (Any Age)
Class 96 - Stock Type Mares (Any Age)
Class 97 - Non-Stock Type, Miniature and Pony Mares (Any Age)

PERFORMANCE CLASSES

1. An exhibitor may use the same horse in performance classes as in halter classes or the exhibitor may use a different horse.
2. If an age division in English Pleasure or Western Pleasure has less than three (3) entries, two or more age divisions may be combined at the judge's discretion. Horses will show together, but exhibitors will be judged within their respective age division.
3. Horses shown in "Ranch Horse" classes will not be allowed to show in 'Open' classes and vice versa (i.e., a horse shown in Senior Western Pleasure cannot be shown in Ranch Horse Western Pleasure.) "Ranch Horses" shall be working ranch horses that show considerable forward motion, moving out with a natural gait, with a comfortable and natural head set and neck carriage. Excessively slow, low-headed horses will be penalized in Ranch Horse classes.
4. Age divisions for performance classes are based on the age of the exhibitor: Senior, age 14 and over; Intermediate, 10-13; Junior, 7-9.

- Class 98** - Junior English Pleasure
Class 99 - Intermediate English Pleasure
Class 100 - Senior English Pleasure
Class 101 - Junior English Equitation
Class 102 - Intermediate English Equitation
Class 103 - Senior English Equitation
Class 104 - Non-Stock/Pony Western Pleasure
Class 105 - Walk-Trot Western Pleasure (Exhibitor may not compete in any other Western Pleasure class on the same horse)

- Class 106 -** Junior Western Pleasure
- Class 107 -** Intermediate Western Pleasure
- Class 108 -** Senior Western Pleasure
- Class 109 -** Ranch Horse Western Pleasure
- Class 110 -** Walk/Trot Horsemanship
- Class 111 -** Junior Horsemanship
- Class 112 -** Intermediate Horsemanship
- Class 113 -** Senior Horsemanship
- Class 114 -** Junior Trail
- Class 115 -** Intermediate Trail
- Class 116 -** Senior Trail
- Class 117 -** Junior Reining
- Class 118 -** Intermediate Reining
- Class 119 -** Senior Reining
- Class 120 -** Junior Pole Bending
- Class 121 -** Intermediate Pole Bending
- Class 122 -** Senior Pole Bending
- Class 123 -** Junior Barrel Racing
- Class 124 -** Intermediate Barrel Racing
- Class 125 -** Senior Barrel Racing

HIGH POINT AWARD

At the conclusion of the horse show, a High Point Award will be presented to an exhibitor in each age division (Jr, Int, Sr). Points will be based on ribbon placings of one horse/one rider combination competing in the 6 following classes: Halter; Showmanship; a Horsemanship or Equitation Class; a Western, Ranch, or English Pleasure Class; Trail; and one speed event. Walk-Trot and Leadline Classes are not eligible to count toward High Point Award. Points are awarded as follows: Champion and Purple - 4 points; Purple/Blue - 3 points; Red - 2 points; White - 1 point. Ties will be broken on highest number of purple ribbons awarded. If no purples are awarded, number of blue ribbons will be used for tie-breakers.

HORSE PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue (Except Classes 90-93)	\$3.00
Red (Except Classes 90-93)	\$2.00
White (Except Classes 90-93)	\$1.00

GRAND CHAMPION SHOWMAN/ROUND ROBIN CONTEST - DIVISION 1-H

Superintendents: Jessie Bradley and Sonya Martin

1. The Champion and Reserve Champion Showman from the SENIOR divisions in Beef Cattle, Dairy Cattle, Horse, Sheep, Meat Goats, Dairy Goats and Swine are eligible to compete for Grand Champion Livestock Showman and Reserve Grand Champion Livestock Showman.
2. Participants must show the same animal which qualified them for this event.
3. After an exhibitor is named Champion Senior Showman or Reserve Champion Senior Showman within a division (dairy cattle, dairy goats, beef,

sheep, meat goats, horse or swine), they may not qualify in any other species for Grand Champion Showman. Exhibitors may show in subsequent showmanship classes, but will be required to compete in the first division in which they qualified for Grand Champion Showman. In the event that one youth wins two species, the next highest showman will be chosen to compete in the Round Robin.

4. For species with limited Senior exhibitors: Should a Senior contestant elect not to participate in the Round Robin, it will be their responsibility to permit the use of their animal for the purpose of the Round Robin contest. In the event that there is not a contestant from each specie, every effort will be made by species' superintendents to locate animals for use by the exhibitors in the Round Robin.
5. Participants will draw for the animal they will show in each species except the species being shown when they qualified for Round Robin competition.
6. Previous winners of the Grand Champion Showman award at the fair are eligible to compete.

DAIRY GOATS - DIVISION 1-ID

Superintendent: Monica Rupp

Junior Superintendent: Francis Rupp

1. All registered Dairy Goats must have a legible tattoo. Grade Dairy Goats must have a Scrapies tag. Questionable tattoos will be moved to Grade class. 4-H members should check tattoos before submitting pre-entries to make sure the tattoo is legible and enter in the correct class.
2. The veterinary inspection will be held from 8:00 a.m. to 10:00 a.m. All goats must be inspected before entering the pens.
3. Goats which do not meet general health requirements or are found to be infected with fungal lesions, sore mouth, warts, mange and/or intact males as determined by the veterinarian(s) will be sent home and not permitted to show or sell. Any non-lesioned goat(s) transported on the same vehicle with infected goat(s) will also be sent home. The decision of the inspecting veterinarian(s) is final. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 8.
4. Exhibitors will be limited to a total of four Dairy Goats
5. Registration papers or stamped duplicate registration applications will be required for all animals in the registered and recorded grade Classes. Papers must be in the sole name of the exhibitor by June 1 or show ownership by June 1 for grades, except for animals born after June 1 of the current year.
6. Entries will be placed in Classes by age with the day of the judging being the base date.
7. Exhibitors are requested to be neatly and appropriately dressed (preferably in white) when showing animals.
8. No feeding of goats will be allowed in pens. This includes hay and grain.
9. Open storage of hay and grain in tack pens will not be permitted. Hay and grain must be kept in a tightly sealed container at all times.
10. Milking Doe Classes may be brought by 9:00 a.m. the day of the show and released following the show. All other dairy goat entries shall be in place on Thursday at 7:00 p.m.

DAIRY PRODUCTION CONTEST

Exhibitors must milk their goats at 8:00 p.m., Thursday, and also 8:30 a.m., Friday. Weights of milk and time since freshening will determine winners. Does must have kidded after the previous year's fair. Only ribbons will be given.

Class 126 - Production Contest

DAIRY GOAT SHOWMANSHIP

Class 127 - Dairy Goat Senior Showmanship (14 & up)

Class 128 - Dairy Goat Intermediate Showmanship (10-13 years of age)

Class 129 - Dairy Goat Junior Showmanship (7-9 years of age)

For more showmanship information, see Livestock General Rules, #29.

REGISTERED BREEDS

(all breeds shown together)

Class 130 - Junior Doe, birth and under 5 months

Class 131 - Junior Doe, 5 months and under 8 months (not in milk and not previously freshened)

Class 132 - Junior Doe, 8 months and under 12 months (not in milk and not previously freshened)

Class 133 - Junior Doe, 12 months and under 24 months (not in milk and not previously freshened)

Class 134 - Senior Doe, up to 24 months (in milk or previously freshened)

Class 135 - Senior Doe, 24 months and older (in milk or previously freshened)

Class 136 - Get of Sire Trio (May be any age. At least one goat must be owned by the exhibitor.)

Class 137 - Mother/Daughter, at least one of the animals must be owned by the exhibitor. (May be any age.)

GRADES AND RECORDED GRADES

(all breeds shown together)

** (Note: Grade Dairy Goats are not eligible to be shown at the Kansas State Fair. "Grade" Dairy Goats are goats without registration papers. Recorded Grade Dairy Goats are goats with brown registration papers and are eligible to be shown at the Kansas State Fair.)

Class 138 - Junior Doe, birth and under 5 months

Class 139 - Junior Doe, 5 months and under 8 months (not in milk and not previously freshened)

Class 140 - Junior Doe, 8 months and under 12 months (not in milk and not previously freshened)

Class 141 - Junior Doe, 12 months and under 24 months (not in milk and not previously freshened)

Class 142 - Senior Doe, up to 24 months (in milk or previously freshened)

Class 143 - Senior Doe, 24 months and older (in milk or previously freshened)

Class 144 - Get of Sire Trio (May be any age. At least one goat must be owned by the exhibitor.)

- Class 145 -** Mother/Daughter, at least one of the animals must be owned by the exhibitor. (May be any age.)
- Class 146 -** Bred and Owned Dairy Goat (Registered or Grade, Recorded Grade)

DAIRY GOAT PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$3.00
Red	\$2.00
White	\$1.00

MEAT GOAT DIVISION 1-IM

Superintendents: Brett Brown, Lacy Colquhoun

1. All goats must have a Scrapies tag, including wethers.
2. The veterinary inspection will be held from 8:00 a.m. to 10:00 a.m. All market goats will be weighed from 8:00 a.m. - 10:00 a.m. All goats must be inspected before entering pens. Goats which do not meet general health requirements or are found to be infected with fungal lesions, sore mouth, warts, mange and/or intact males as determined by the veterinarian(s) will be sent home and not permitted to show or sell. Any non-lesioned goat transported on the same vehicle with infected goat(s) will also be sent home. The decision of the inspecting veterinarian(s) is final.
3. Registration papers or stamped duplicate registration applications will be required for all animals in the registered Classes. Papers must be in the sole name of the exhibitor by June 1 or show ownership by June 1 for crossbreeds.
4. Each exhibitor is limited to four (4) head for the Cowley County Fair.
5. Market goat guidelines:
 - must be meat type or meat type cross
 - goats must still have their milk teeth. Milk teeth are the bottom two center teeth.
 - may be does or wether (no Billies)
6. Market goats must be shown shorn (no more than 3/8 inch hair)
7. Horns: Wethers are suggested to be dehorned. However, if horns are left, they must be tipped and rounded. All horns must be tipped and rounded.
8. Meat Goats may be braced, but must be shown with all four feet on the ground. Exhibitors may use a collar, a collar with a short lead or a halter when showing. Medium (3 mm) or smaller pinch collars will be allowed.
9. Market Goats will be permitted to sell in the premium sale if minimum weight (50 pounds) is met.
10. Breeding Meat Doe guidelines must be meat type breed (Boer, Spanish, Moyotonic, Pygmy, Kiko, San Clemente). May be shown with or without horns.
11. No bucks will be allowed to show.
12. No feeding of goats will be allowed in pens. This includes hay and grain.
13. Open storage of hay and grain in tack pens will not be permitted. Hay and grain must be kept in a tightly sealed container at all times.

MEAT GOAT SHOWMANSHIP

- Class 147 -** Meat Goat Senior Showmanship(14 & Up)
Class 148 - Meat Goat Intermediate Showmanship (10-13)
Class 149 - Meat Goat Junior Showmanship (7-9)
For more showmanship information, see Livestock General Rules, #29.

MARKET MEAT GOAT CLASSES

- *Class 150 -** Feeder (under 50 pounds)Market Meat Goat
Class 151 - Light Weight Market Meat Goat
Class 152 - Medium Weight Market Meat Goat
Class 153 - Heavy Weight Market Meat Goat
*Ineligible for Champion or market livestock sale

BREEDING MEAT DOE CLASSES

Please indicate "Registered" or "Commercial" on entry.

- Class 154 -** Breeding Does (Born September 1, 2016 or later)
Class 155 - Breeding Yearlings (Born Sept 1, 2015 to August 31, 2016)
Class 156 - Bred and Owned Doe

MEAT GOAT PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Breed Reserve Champion	Ribbon
Purple/Blue	\$3.00
Red	\$2.00
White	\$1.00

POULTRY DIVISION 1-J1

Superintendents: Todd and Cheryl Shepherd

Junior Superintendent: Jacob Shepherd

1. Bird's leg band numbers and variety of bird must be indicated on pre-entry form.
2. Young Classes are those hatched after January 1 of the current year. All others are considered "old" for judging purposes.
3. In this division, each member may exhibit a maximum of eight entries with a limit of three per Class. Leg bands are required to ensure proper identification of each entry and may be purchased at the County Extension office.
4. Exhibitors must feed, water, and clean under cages daily.
5. All birds must be checked-in from Thursday from 4:00 p.m. – 7:00 p.m.
6. Pullorum-Typhoid Requirements
7. All chickens and turkeys will be blood tested every year. Testing will be available through the Cowley County Extension Office. A testing date will be published in the 4-H Flash. A fee will be charged for each bird tested to cover the cost of antigen and leg bands.

POULTRY CLASSES

- Class 157 -** Standard Breeds, Large Fowl- 1 young bird of either sex.
Class 158 - Standard Breeds, Large Fowl- 1 old bird of either sex.

- Class 159** - Standard Breeds, Bantams - 1 young bird of either sex.
- Class 160** - Standard Breeds, Bantams - 1 old bird of either sex.
- Class 161** - Production Pullets-Pen, 3 Standardbred, Crossbred, or Straincross pullets to be judged on egg production qualities only.
- Class 162** - Production Hens-Pen, 3 Standardbred, Crossbred, or Straincross hens to be judged on egg production qualities only.
- Class 163** - Dual purpose pullets-Pen, 3 such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
- Class 164** - Dual purpose hens-Pen, 3 such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
- Class 165** - Meat-type chickens-Pen, 3 Standardbred, Crossbred, or Straincross birds of the same sex to be judged on meat production qualities only.
- Class 166** - Turkeys, all breeds, - 1 bird of either sex.
- Class 167** - Ducks, all breeds - 1 bird of either sex.
- Class 168** - Geese, all breeds - 1 bird of either sex.

PIGEONS DIVISION 1-J2

Superintendents: Todd and Cheryl Shepherd
 Junior Superintendent: Jacob Shepherd

1. All birds must be single entries.
2. Members may not enter more than two birds per Class regardless of breed. Each member is limited to eight birds.
3. All pigeons must be shown with a numbered band. Young birds must be shown with seamless bands, or else judged in the old class. Young birds are those hatched in the calendar year of the show.
4. Judging will be by comparison only using latest standards of the National Pigeon Association.
5. Classes will be offered for all standard breeds approved by the National Pigeon Association. Be sure to designate breed on entry form.

PIGEON CLASSES

- Class 169** - Old cock (hatched in previous calendar year)
- Class 170** - Old hen
- Class 171** - Young cock (hatched in this calendar year)
- Class 172** - Young hen

POULTRY & PIGEON PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

RABBITS - DIVISION 1-K

Superintendent: Cristine Noland

1. Each member may enter no more than one entry per Class including "Fur Classes."
2. Exhibitor may bring no more than 18 different rabbits.

3. All rabbits are to be legibly tattooed in the left ear for identification before bringing to the show.
4. All rabbits will be divided into age classes and judged according to their breed standard as listed in the ARBA "Standard of Perfection." Crossbred rabbits will be judged on their meat and/or fur production qualities. Crossbred rabbits can only be shown for the 4-H'er's first and second year of the rabbit project and are ineligible for State Fair competition.
5. Exhibitors will be responsible for the care, feeding and exhibiting of their own rabbits.
6. Diseased rabbits will be barred from the show.
7. All exhibitors should be on hand to carry their rabbits to the judging table. If this is not possible, please make sure you have another 4-H'er who will do this for you.
8. Rabbits must be owned by exhibitor for 30 days prior to show.

RABBIT BREED CLASSES

Please specify Breed and Variety when completing entry form.

- Class 173** - Pre-Junior Doe (under 3 months)
Class 174 - Junior Doe (under 6 months)
Class 175 - 6-8 months Doe
Class 176 - Senior Doe (8 months and older) *See intermediate note below.
Class 177 - Pre-Junior Buck
Class 178 - Junior Buck (under 6 months)
Class 179 - 6 to 8 month Buck
Class 180 - Senior Buck (8 months or older) *See intermediate note below.
Class 181 - Meat Pen-Three (3) rabbits, all one recognized breed and variety, minimum weight 3.5 pounds to maximum 5.5 pounds each. Will be judged on their meat quality, condition, and uniformity. (Counts as one entry.)

*Pre-Junior Classes will apply for only the following breeds: Beveren, Californian, Champagne, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Flemish, Giant, Hotot, New Zealand, Palomino, Satin, Silver Fox.

**Intermediate Classes apply only to the following breeds: American, Beveren, Purple/Blue Vienna, California, Champagne D'Argent, American Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Creme D'Argent, Flemish Giant, Hotot, English Lop, French Lop, New Zealand, Palomino, and Silver Fox. All other breeds have only Junior and Senior classes.

FUR CLASSES

All rabbits must be shown in their breed class to be shown in fur class.

Fur classes will be judged after breed classes.

- Class 182** - Normal White fur
Class 183 - White Satin fur
Class 184 - White Rex fur
Class 185 - White Angora fur
Class 186 - Normal Colored fur
Class 187 - Colored Satin fur
Class 188 - Colored Rex fur

Class 189 - Colored Angora fur

SHOWMANSHIP

The rabbit used in showmanship must be entered in the 4-H rabbit show.

- Class 190 -** Junior Showmanship (7-9 years old)
- Class 191 -** Intermediate Showmanship (10-13 years old)
- Class 192 -** Senior Showmanship (14 years and older)

*Subject to written test at judge's discretion.

RABBIT PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

LIVESTOCK SPECIAL AWARDS

The Ed Fisher Livestock Exhibitor Award is a peer nominated award that is awarded annually to the exhibitor who shows the most leadership and knowledge in a variety of livestock projects.

BEEF

The Junior Shorter Memorial Beef Exhibitor Award is sponsored by the Cowley County Classic Beef Show. It is a peer-nominated award that is given annually to an exhibitor who shows outstanding leadership in the Beef Project.

Champion Market Beef Buckle sponsored by Fisher Family Ranch, Dorothy Fisher

Res. Champion Market Beef ... Etched Mirror sponsored by Holcomb Cattle Company

Supreme Champion Heifer ... Buckle sponsored by Mike and Jennifer Legako and Shorter Ranch, Janet Hawkins

Res. Supreme Champion Heifer ... Etched Mirror sponsored by Mackey Electric

Champion Sr. Showman ... Buckle sponsored by Drake Ranch

Res. Champion Sr. Showman ... Leather Banner sponsored by LeMay Cattle Company

Champion Intermediate Showman ... Buckle sponsored by Winfield Livestock Auction

Res. Champion Intermediate Showman ... Leather Banner sponsored by Larry and Linda Johnson

Champion Junior Showman ... Buckle sponsored by Orvel and Shirley Mason

Res. Champion Junior Showman ... Leather Banner sponsored by Cowley County Livestock Association

Champion and Reserve Champion Rate of Gain ...Leather Banner sponsored by Broken Spoke Dispatch

BUCKET CALF AWARD

Champion and Bucket Calf Buckle sponsored by Wolfe Auto Service, LLC

Reserve Champion Bucket Calf Leather Banner sponsored by Cowley County Farm Bureau Association.

SWINE SPECIAL AWARDS

Champion Market Hog Buckle sponsored by Anstine Livestock
Res. Champion Market Hog ... Etched Mirror sponsored by Tatum Show Pigs
Champion Gilt ... Buckle sponsored by Wolfe Auto Service, LLC
Res. Champion Gilt ... Etched Mirror sponsored by Tatum Show Pigs
Champion Sr. Showman ... Buckle sponsored by Dick and Carol Gottlob
Res. Champion Sr. Showman ... Leather Banner sponsored by Jill Zimmerman
Champion Intermediate Showman ... Buckle sponsored by Buffington Family
Res. Champion Intermediate Showman ... Leather Banner sponsored by Beau and Tina Bailey
Champion Junior Showman ... Buckle sponsored by Shane and Kianne Prill Family
Res. Champion Junior Showman ... Leather Banner sponsored by EKSSS-Cowley County

SHEEP SPECIAL AWARDS

Champion Market Lamb Buckle sponsored by Nulik Club Lambs
Res. Champion Market Lamb ... Etched Mirror sponsored by Trevor and Emilie McLain
Supreme Ewe ... Buckle sponsored by Jim and Jessie Bradley
Res. Supreme Ewe ... Etched Mirror sponsored by Chris and Gaye Mackey
Champion Sr. Showman ... Buckle sponsored by Kan-Pak
Res. Champion Sr. Showman ... Leather Banner sponsored by Gary and Betty Anstine
Champion Intermediate Showman ... Buckle sponsored by Dave and Sonya Martin
Res. Champion Intermediate Showman ... Leather Banner sponsored by Jeff Swanson Farm Bureau Financial Services
Champion Junior Showman ... Buckle sponsored by Cowley County Sheep Show
Res. Champion Junior Showman ... Leather Banner sponsored by Jim and Jessie Bradley

DAIRY SPECIAL AWARDS

Champion Dairy ... Buckle sponsored by Valley Co-Op
Reserve Champion Dairy ... Leather Banner sponsored by Emerald Bank
Champion Sr. Showman ... Buckle sponsored by Ro-Mac Dairy
Reserve Champion Sr. Showman ... Leather Banner Sponsored by Heartland Veterinary Services
Champion Int. Showman ... Buckle sponsored by Bair's LP Gas
Reserve Champion Int. Showman Leather Banner sponsored by Citizens' Bank of Kansas
Champion Jr. Showman ... Buckle sponsored by Cowley County Farm Bureau
Reserve Champion Jr. Showman ... Leather Banner sponsored by Fleming Feed and Grain

HORSE SPECIAL AWARDS

Senior High Point Champion ... Buckle sponsored by Covey Find Kennel
Intermediate High Point Champion ... Buckle sponsored by Winfield Saddle Club
Junior High Point Champion ... Buckle sponsored by Winfield Saddle Club
Champion Sr. Showman ... Leather Banner sponsored by Depenbusch Machine
Champion Int. Showman ... Leather Banner sponsored by
Champion Jr. Showman ... Leather Banner sponsored by Pirtle Farms
Champion Mare ... Etched Mirror sponsored by Angie Krepps and Kim McCullough
Champion Gelding ... Etched Mirror sponsored by Broken Spoke Clydesdales

GRAND CHAMPION SHOWMAN AWARDS

Champion ... Buckle sponsored by Two Rivers Co-Op and trophy sponsored by Valley Co-Op
Reserve Champion ... Buckle sponsored by Bob and Marian Hedges and plaque sponsored by Valley Co-Op

DAIRY GOAT SPECIAL AWARDS

Champion Dairy Doe ... Buckle sponsored by Cowley County Farm Bureau Association
Reserve Champion Dairy Doe ... Etched Mirror sponsored by Cowley County Farm Bureau Association
Champion Sr. Showman ... Buckle sponsored by Shelley Electric
Reserve Champion Sr. Showman ... Leather Banner sponsored by Depenbusch Machine
Champion Int. Showman ... Buckle sponsored by Winfield Family Optometry
Reserve Champion Int. Showman ... Leather Banner sponsored by Frankenbery and Johnson

MEAT GOAT SPECIAL AWARDS

Champion Meat Goat ... Buckle sponsored by Ark Valley Credit Union
Reserve Champion Meat Goat ... Etched Mirror sponsored by Feaster's Deer Processing
Champion Meat Doe ... Buckle sponsored by Rockin' A Oil
Reserve Champion Meat Doe ... Etched Mirror sponsored by Seth and Lacy Colquhoun
Champion Sr. Showman ... Buckle sponsored by Bank of the West
Reserve Champion Sr. Showman ... Leather Banner sponsored by Seth and Lacy Colquhoun
Champion Int. Showman ... Buckle sponsored by D and T Services
Reserve Champion Int. Showman ... Leather Banner sponsored by Feaster's Deer Processing
Champion Jr. Showman ... Buckle sponsored by Luke Prill Show Pigs
Reserve Champion Jr. Showman ... Leather Banner sponsored by Seth and Lacy Colquhoun
Champion Rate of Gain...Leather Banner sponsored by Elite Advertising
Reserve Champion Rate of Gain...Leather Banner sponsored by Cowley County Meat Goat Show

POULTRY/PIGEON SPECIAL AWARDS

Champion Poultry ... Leather Banner sponsored by Bryan and Betty Haunschild
Reserve Champion Poultry ... Leather Banner sponsored by Deppenbusch
Machine
Champion Pigeon ... Leather Banner sponsored by Anonymous
Reserve Champion Pigeon ... Leather Banner sponsored by Anonymous

RABBIT SPECIAL AWARDS

Champion Rabbit ... Leather Banner sponsored by Kennedy Rabbitry
Reserve Champion Rabbit ... Leather Banner sponsored by Cowley County
Farm Bureau Association

FIELD CROPS AND HORTICULTURE

FIELD CROPS - DIVISION 2-L

Superintendent: Vernan Stout

Jr. Superintendant: Peter Stout, John Stout

1. Read "General Rules" on page 6.
2. Products exhibited in this division must have been grown by the 4-H/FFA member in the current year, with the exception of soybean seed.
3. Exhibits should be as mature as possible.
4. Every entry must be identified by hybrid or variety name.
5. All classes calling for a gallon sample may have a 2½ - 3 inch in diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarts.
6. Exhibits are to be checked in as they are judged at 11:00 a.m. on Friday.
7. Exhibitors must participate in Conference Judging during the scheduled time. If exhibitors do not participate, they will be docked one ribbon placing, and the corresponding premium.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

CORN- TEN EAR EXHIBIT

Class 250 - White. Variety of hybrid must be named.

Class 251 - Yellow. Variety of hybrid must be named.

SORGHUM- TEN HEAD EXHIBIT

Class 252 - Hybrid grain sorghum. Hybrid must be named.

Class 253 - Hybrid forage sorghums. Exhibit to consist of the entire plant;
no roots. Hybrid must be named.

Class 254 - Other forage sorghums. Exhibit to consist of the entire plant;
no roots. Variety must be named.

WHEAT- ONE GALLON SAMPLE

Class 255 - Hard Red Winter Wheat. Variety or hybrid must be named.

Class 256 - Hard White Wheat. Variety or hybrid must be named.

Class 257 - Soft Red Winter Wheat. Variety or hybrid must be named.

OTHER CROPS

- Class 258** - Oats. Exhibit to consist of one gallon sample. Variety must be named.
- Class 259** - Barley. Exhibit to consist of one gallon sample. Variety must be named.
- Class 260** - Alfalfa. Exhibit to consist of one gallon sample of seed. Variety must be named.
- Class 261** - Soybeans. Exhibit to consist of one gallon sample of seed from most recent harvest. Variety must be named.
- Class 262** - Soybeans. Bundle of five plants (with roots intact) from most recent harvest. Variety must be named.
- Class 263** - Brome Grass. Exhibit to consist of one gallon sample of seed.
- Class 264** - Other Tame Grass. Exhibit to consist of one gallon sample of seed.
- Class 265** - Alfalfa Hay. Exhibit to consist of one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions. Variety must be named.
- Class 266** - Grass Hay. Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.
- Class 267** - Other Hay. Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.
- Class 268** - Miscellaneous Crops. Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named.

FIELD CROP PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

HORTICULTURE - DIVISION 2-M

Superintendent: Vernan Stout

Jr. Superintendent: Peter Stout, John Stout

1. Read "General Rules" on page 6.
2. Information about exhibiting produce is available online in the publication "Exhibiting Fruits and Vegetables" available at <http://www.ksre.ksu.edu/bookstore/pubs/c405.pdf>
3. Write the variety of each of the vegetables on the entry card.
4. Products exhibited in this division must be grown in current club year by members enrolled in the project.
5. Exhibits are to be checked in as they are judged at 11:00 a.m. Friday.

6. Class 301- Garden Surprise does not require pre-entry. This is an appropriate class to exhibit an unexpected horticulture exhibit (i.e., carrots, onions, odd shaped, etc.)
7. Each exhibitor in Class 275 Garden Display will be limited to four square feet of space. Exhibits consist of five different fresh vegetables. Canned vegetables are not acceptable. Only one variety of a specific vegetable may be exhibited.
8. A 4-H member may exhibit in only eight of the following Classes (275-300). Pre-entries will be accepted for more than eight entries, but only eight may be exhibited.

The varieties of vegetables to be exhibited are as follows:

LARGE VEGETABLES:

One Each

Watermelon	Pumpkin	Cabbage
Squash	Eggplant	Cantaloupe

MEDIUM VEGETABLES:

Five Each

Cucumber	Carrots	Onions Parsnips	Irish Potatoes
Tomatoes	Beets	Peppers Okra	Sweet Potatoes

If small fresh vegetables, such as green beans, are used as one of the five different vegetables, a dozen is suggested for a good display. The quality and condition of exhibit will be considered. Choose vegetables for exhibit that will hold up well during fair. Avoid overripe or over-mature specimens. Those that are slightly underripe or slightly immature when picked may last longer.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

- Class 275** - Garden Display
- Class 276** - Plate of 5 tomatoes
- Class 277** - Plate of 5 cherry tomatoes
- Class 278** - 5 red potatoes (Variety should be named)
- Class 279** - 5 white potatoes (Variety should be named)
- Class 280** - 5 sweet potatoes (Variety should be named)
- Class 281** - Plate of 5 cucumbers
- Class 282** - Plate of 12 beans, green snap
- Class 283** - Plate of 12 beans, yellow wax
- Class 284** - Plate of 5 table beets
- Class 285** - Plate of 5 carrots
- Class 286** - 1 eggplant
- Class 287** - 1 cantaloupe
- Class 288** - Plate of 5 turnips
- Class 289** - 1 watermelon
- Class 290** - 1 pumpkin
- Class 291** - Plate of 5 white onions
- Class 292** - Plate of 5 yellow onions
- Class 293** - Plate of 5 red onions
- Class 294** - Plate of 5 bell peppers
- Class 295** - Plate of 5 peppers (other)

- Class 296 -** Plate of 5 okra
 - Class 297 -** One summer squash
 - Class 298 -** One winter squash
 - Class 299 -** One of other vegetable
 - *Class 300 -** Plate of 5 tree fruit (apples, pears, etc.)
 - **Class 301-** Garden Surprise
- *Ineligible for State Fair competition
 **Ineligible for State Fair competition and/or awards.

HORTICULTURE PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

FLORICULTURE & TERRARIUMS - DIVISION 2-N

Superintendent: Vernan Stout

Jr. Superintendant: Peter Stout, John Stout

1. Read "General Rules" on page 6.
2. Products exhibited in this division must be in the care of the exhibitor for at least two months.
3. All floral materials must be grown and/or collected by the exhibitors. Do not use purchased plant materials. Entries should not take over one square foot of table space.
4. Potted plants are not accepted.
5. Information about exhibiting flowers can be found online in the publication "Preparing Cut Flowers for Exhibit", available at <http://www.ksre.ksu.edu/bookstore/pubs/4H826.pdf>
6. Exhibits are to be checked in as they are judged at 11:00 a.m. Friday.
7. Exhibitor may make a total of two entries per class.
8. Exhibitor must use a non-breakable container for all exhibits in classes 301, 302, and 303.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

FLORICULTURE

- Class 302 -** Garden Flower, single stem, annual
- Class 303 -** Garden Flower, single stem, perennial
- Class 304 -** Flower arrangement, fresh flowers.
- *Class 305 -** Potted plants

TERRARIUMS

- *Class 306 -** Open Terrariums
- *Class 307 -** Closed Terrariums

Class 308 - Dried flower arrangement, no fabric or plastic material.
*Ineligible for State Fair competition.

FLORICULTURE AND TERRARIUMS PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

FORESTRY - DIVISION 4-CC

Superintendent: Vernan Stout,

Jr. Superintendent: Peter Stout, John Stout

1. Read "General Rules" on page 6.
2. Forestry projects will check in with Horticulture, Field Crops, and Floriculture Department on Thursday, August 3.
3. All leaf exhibits (except Class 5106) are to be mounted on 8½" x 11" heavy stock paper and placed in loose leaf binders. (Magnetic or adhesive filler sheets for photographic prints are recommended.) Twigs and fruit collections may be exhibited in whatever manner you choose (maximum exhibit size 2' x 3').
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 as listed in the 4H334, "List of Native Kansas Forest Trees"; (2) Location (city and/or county) where collected; and (3) date (day, month, year) collected.
6. Intermediate Forester. Exhibit only in phase(s) enrolled.
7. Senior Forester enrolled in Self Determined can exhibit in Self Determined Forestry at the State Fair.
8. Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees.
9. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.
10. Group specimens according to the years collected (ex. "old-previous years" and "new")
11. Variations of varieties do not count as different species or specimens.
12. When replacing previously displayed samples, due to degradation, improper mounting or incorrect identification, the specimen label must also be updated. Replacements do not count as new specimens. Replacements should be displayed in the "old previous" section of the display.
13. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
14. In all leaf collections (Division A – Intermediate Forester), exhibit one complete leaf where possible. If leaf is too large, exhibit as much as possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion is from. Note: A "leaflet" is incorrect when displayed as the complete leaf for the tree.
15. All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.

16. Exhibitors must participate in Conference Judging during the scheduled time. If exhibitors do not participate, they will be docked one ribbon placing, and the corresponding premium.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

DIVISION A – INTERMEDIATE FORESTER
Knowing Trees as Individuals (Leaf Collections)**

Class 5100 - Beginning (Choose either A or B)

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

Class 5101 - Intermediate (Choose either A or B)

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

Class 5102 - Senior (Choose either A or B)

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

Class 5103 - Advanced (Choose either A or B)

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

How A Tree Grows

Class 5104 - 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 5105 - 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 5106 - 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 5107 - 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 5108 - 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 5109 - 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 Fair conditions. This is a good class to exhibit an unusual collection.

FORESTRY PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

VISUAL ARTS - DIVISION 3-O

Superintendents: Deborah Badley, Jennifer Hensley

Jr. Superintendents: Teresa Hensley, Fiona Badley, Coryn Badley

1. Read "General Rules" on page 6.
2. Entry tags must be attached to exhibit by check-in time.
3. Each exhibitor is LIMITED TO 6 TOTAL ENTRIES, 4 ENTRIES/CLASS.
4. All sketch/draw exhibits must be mounted on matte board or framed. Exhibitors who do not have their exhibits mounted or framed will be docked one ribbon placing. Exhibitors may purchase photo mount boards from the Extension office for small projects. **Glass in frames may be subject to breakage.

5. All sketch/draw exhibits must be ready to hang. Keep in mind that it gets hot in Barn 4 and attaching hangers with glue might not work. Failure to properly attach a hanger will result in docking one ribbon placing and the corresponding premium.
6. A Champion and Reserve Champion in each age division may be chosen for each Class, if quality merits.
7. Items for display at the Kansas State Fair will be selected by the judge(s).
8. Prior arrangements need to be made if exhibit is oversized. Please note on pre-entry form.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

- Class 310** - Arts and Crafts
Class 311 - Bead Work
Class 312 - Leather Craft
Class 313 - Ceramic/Pottery (Single piece or matched or related group)
Class 314 - Drawing, Sketching, Painting or Computer generated drawings

VISUAL ARTS PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

HERITAGE/FIBER ARTS- DIVISION 3-R

Superintendent: Ruth Gordon, Joan Brodbeck

1. Read "General Rules" on page 6.
2. Exhibitors are limited to 6 total entries, 4 entries per class.
3. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
4. All exhibits which need to be hung must have the appropriate hanger, rod, wire, or other mechanism attached in order to be properly displayed. Framed exhibits must be ready to hang.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

- Class 336** - Crochet, an article.
Class 337 - Knitting, an article made either by hand or by knitting machine.
Class 338 - Needle Arts; an article created by hand using any of the following techniques: A) Embroidery and cross-stitch; B) Needlepoint; C) Candlewicking; D) Crewel; E) Lacework; and/or F) Applique.

- Class 339 -** Patchwork and Quilting, an article.
- Class 340 -** Rug making, a rug.
- Class 341 -** Spinning, a skein.
- Class 342 -** Weaving, a woven article.
- Class 343 -** Ethnic Arts, an article.
- Class 344 -** Macrame, an article.
- Class 345-** Fiber Arts Educational Notebook

FIBER ARTS PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

CLOTHING CONSTRUCTION - DIVISION 3-S

Fashion Revue Superintendent: Beverly Yarborough, Kim Grant

1. Read "General Rules" on page 2
2. Members will be limited to 6 clothing entries combined, not including "sewing for fun" entries, which may include 5 clothing entries and 1 educational exhibits.
3. All items will be judged on Tuesday, July 25, at the Brown Center, Cowley College, 215 S 2nd Street, Arkansas City.
4. Exhibits must be displayed at the fair and checked in on Thursday between 4:00-7:00 p.m. Ribbons must be attached to the garment before bringing it to the fair.
5. Garments must be carefully laundered or cleaned before being exhibited.
6. Each garment must be labeled with name, address, age, county, club, class number, and phase of project in which member is enrolled. Labels are available at the Extension Office.
7. All garments must be on a hanger & covered with a clear plastic bag.
8. Other items should be placed in clear plastic bags.
9. Classes marked with (*) asterisk are ineligible for State Fair competition.
10. Exhibitors can choose to have garments judged for construction only. They will not be included in style revue judging, should exhibitors choose this option.
11. Purple ribbon garments are eligible for State Fair competition if the class and exhibitor qualify. Exhibitor must be 9 years of age. 4-H member may take only one entry to the State Fair in clothing.
12. Educational classes-share with others what you learned in this project. If a poster, it must not be larger than 22" x 28". May be a notebook or other display. Take care to select durable materials that will withstand fair conditions. Total display space must be no more than 12" high by 12" deep and 18" long. No card table displays are allowed. Name and county must be clearly marked on educational exhibits. See suggestions in the "Going

Further” section of the clothing notebook lesson plans for ideas. They will be judged on July 25 with all other clothing exhibits.

13. Entry cards and score sheets must be filled out before the garment is judged in the Conference Judging.

14. Definitions:

- Article: Item constructed in the clothing project such as a backpack, laundry bag, hat, scarf, etc.
- Garment: Item constructed in the clothing project such as a skirt, dress, shorts, slacks, etc.
- Outfit: Items constructed that have two or three coordinating pieces, such as skirt, top and jacket; pants and top; pants and jacket. All pieces must be constructed by the 4-H'er.
- Sewing for Fun: Any item or garment created using creative construction skills. Items will not be judged and are not eligible for ribbon placings.

CLOTHING Classes

***Class 350** - An article, garment or outfit constructed by a 7-8 year old exhibitor.

***Class 351** - Educational exhibit prepared by a 7-8 year old exhibitor.

Class 352 - An article, garment or outfit constructed by a 9-11 year old exhibitor.

Class 353 - Educational exhibit prepared by a 9-11 year old exhibitor.

Class 354 - An article, garment or outfit constructed by a 12-14 year old exhibitor.

Class 355 - Educational exhibit prepared by a 12-14 year old exhibitor.

Class 356 - An article, garment or outfit constructed by a 15-18 year old exhibitor.

Class 357 - Educational exhibit prepared by a 15-18 year old exhibitor.

Class 358 - Recycled Clothing Project

****Class 359** - Sewing for fun (all ages, not eligible for ribbon placings or premiums)

*Not eligible for Kansas State Fair

** Not eligible for Kansas State Fair and/or awards

CLOTHING PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

FASHION REVUE - DIVISION 3-T

Fashion Revue Superintendent: Beverly Yarbrough, Kim Grant

1. Read “General Rules” on page 6

2. All Fashion Revue judging will be held Tuesday, July 25, 2017 at the Brown Center, Cowley College, 215 S 2nd Street, Arkansas City. **The Public Fashion Revue will be held on Tuesday, July 25 at 7:00 p.m. at the Brown Center.**
3. Entries will be placed in three categories by age of 4-H'ers. Each exhibitor is limited to two entries in Constructed Garment Revue and two entries in Buymanship Fashion Revue. Each entry must be in different classes. The schedule will reflect only two entries per member regardless of classes entered.
4. 4-H-ers must participate in the public revue in order to receive ribbons and premiums. Ribbons will be presented at the public revue.
5. A Champion and Reserve Champion may be selected in all three age divisions of Constructed Garment, Boys Buymanship and Girls Buymanship, providing quality merits.
6. Senior Revue Champions and Reserve Champions are eligible to represent Cowley County at the State contest held during the Kansas State Fair.
7. Official score cards must be filled out before judging and furnished to the judges prior to judging.
8. A complete description of the outfit to be modeled in the Public Fashion Revue is due by 12:00 p.m. on the day of judging.
9. Garments are evaluated on: General Appearance - posture, poise, attitude, grooming, fit of garment, modeling the outfit, fabric suitable to style, fabric and style suitable to occasion or person, color becoming and pleasing, accessories appropriate and becoming. Construction as it affects appearance - construction, details appropriate to fabric and style of garment, quality of construction, and appropriate finishing techniques used.
10. 4-H'er should be knowledgeable of information requested on 4-H judging scorecard.

CONSTRUCTED GARMENT REVUE - DIVISION 3-T

1. Read Fashion Revue rules above.
2. Garments or outfits in the Constructed Garment Revue must be constructed by the 4-H'er in the current 4-H year as part of the clothing construction project.

JUNIOR CLASSES (Ages 7-9)

- Class 361** - A Garment
Class 362 - 2 or 3 piece coordinated outfit
Class 363 - Other

INTERMEDIATE CLASSES (Ages 10-13)

- Class 365** - A Garment
Class 366 - 2 or 3 piece coordinated outfit
Class 367 - Other

SENIOR CLASS (Ages 14-18)

- Class 369** - A Garment
Class 370 - 2 or 3 piece coordinated outfit
Class 371 - Other

BUYMANSHIP GARMENT REVUE - DIVISION 3-TT

Fashion Revue Superintendent: Beverly Yarbrough, Kim Grant

1. Read Fashion Revue rules above.
2. Garment must be purchased for the 4-H project or made by another individual for the 4-H'er, if the fabric and pattern were chosen by the 4-H'er. Everything that is commonly considered an outer garment must be purchased by the 4-H'er or constructed by another person (vest, jacket, dress, skirt, pants, coat, etc.). A sweater, blouse or shirt can be purchased or made.
3. 4-H'er should be knowledgeable of information requested on 4-H record sheet.
4. Active Sports Outfit - Shorts and T-shirt, jogging suit, etc.
5. Casual Outfit - School clothes, sportswear
6. Dress-up Outfit - Best dress, special occasion
7. Formal Wear - Prom, special occasion
8. Garments must have been purchased or made in current 4-H year.
9. Buymanship garments are not displayed at the Cowley County Fair.

GIRLS BUYMANSHIP

JUNIOR CLASSES (Ages 7-9)

- Class 380 -** Active Sports Outfit
Class 381 - Casual Outfit
Class 382 - Dress-up Outfit

INTERMEDIATE CLASSES (Ages 10-13)

- Class 383 -** Active Sports Outfit
Class 384 - Casual Outfit
Class 385 - Dress Up Outfit

SENIOR CLASSES (Ages 14-18)

- Class 386 -** Active Sports Outfit
Class 387 - Casual Outfit
Class 388 - Dress Up Outfit
Class 389 - Formal Wear

BOYS BUYMANSHIP

JUNIOR CLASSES (Ages 7-9)

- Class 390 -** Active Sports Outfit
Class 391 - Casual Outfit
Class 392 - Dress Up Outfit

INTERMEDIATE CLASSES (Ages 10-13)

- Class 393 -** Active Sports Outfit
Class 394 - Casual Outfit
Class 395 - Dress Up Outfit

SENIOR CLASSES (Ages 14-18)

- Class 396 -** Active Sports Outfit
Class 397 - Casual Outfit

Class 398 - Dress Up Outfit
Class 399 - Formal Wear

FASHION REVUE PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

FOOD AND NUTRITION - DIVISION 3-U

Superintendent Team: Tabitha Hogan, Megan Wolf, Sherri McNutt, Kayla Dutton, Barclay Pierce, Sarah Boothe, Sheryl Hervey
Junior Foods Team: Kallie McNutt

1. Read "General Rules" on page 6.
2. Each food exhibitor is limited to 6 food entries combined, which may include: 4 food entries, one food gift package, and one educational exhibit. Recipes are required for all food product exhibits (prefer a 3 x 5 card).
3. Exhibits are to be brought to the Fairgrounds and checked in on Friday, August 4 at the time of the assigned Conference Judging.
4. After the food products are judged, the products will be sold unless designated otherwise by the exhibitor. Proceeds from the food sale will be used for prizes for Barn 4 4-H exhibitors.
5. Baked products (cake, etc.) must be removed from baking pans and placed on paper plates or covered cardboard cut to fit the size of the product, not more than 1/2" larger than project. Place baked products in a sealed plastic bag. Breads and other large baked exhibits should also use bags. **DO NOT USE PLASTIC WRAP.**
6. All unfrosted cakes should be exhibited in an upright position with top crust showing, except for those cakes made with special designs such as Bundt cakes. Those items should be shown with top crust down.
7. All items are to be made from scratch unless otherwise stated.
8. Entire product must be entered whole and uncut. Loaves of bread must be exhibited whole. Muffins, cookies, and rolls must be of the same shape and from the same recipe and should be shown 3 per plate.
9. Classes marked with asterisk (*) are ineligible for State Fair competition.
10. For Food Safety purposes any food with custard and cream cheese type fillings and frostings, flavored oils, canned bread or bread or cake in a jar or food requiring refrigeration will not be judged. Refer to publication 4-H 712, Food Safety Recommendations for Acceptable Fair Exhibits for official rulings on fillings and frostings. In addition, do not use non-edible items on decorated food or include items in food gift packages that may be unsafe.
11. Entries will be placed in following four categories by age of 4-H'er: Beginner, Junior, Intermediate, and Senior.

12. A food gift package is considered a non-perishable food product and must contain at least 3 different homemade food items for human consumption in suitable container. Must not exceed 18" x 18" x 18". A 3x5 card explaining food safety requirements, ingredients, and intended use must be attached to package.
13. Educational Exhibits - if a poster, it must not be larger than 22" x 28". May be notebooks or other displays. Total space required for display must be no more than 12" high by 12" deep and 18" long. NO card table exhibits.
14. 4-H'er should be knowledgeable about food preparation and nutritional information.
15. A bake sale will be held Friday, August 4 from 11:00 a.m. - 1:00 p.m. with a food auction at 5:15 p.m. in Barn 4.
16. Food entries receiving purple ribbons are eligible for the Kansas State Fair if age and class requirements are met. Exhibitors must be 9-19 years of age. 4-H members may take only one entry to the State Fair in Foods or Food Gift Packages, and one entry in Food Educational Exhibit.
17. Dried foods are to be exhibited under the Food Preservation Class.
18. Decorated Foods (Class 410) and Edible Arrangements (Class 411) will be judged on appearance only and will not be sold at the food auction.

- Class 400** - For age 7-8, non-perishable food product.
Class 401 - Educational exhibit prepared by 7 or 8 year old.
Class 402 - For age 9 -11, non-perishable food product.
Class 403 - Educational exhibit prepared by 9, 10 or 11 year old.
Class 404 - For age 12-14, non-perishable food product.
Class 405 - Educational exhibit prepared by 12, 13 or 14 year old.
Class 406 - For age 15-18, non-perishable food product.
Class 407 - Educational exhibit prepared by 15-18 year old.
Class 408 - Food Gift Package. No alcoholic beverages will be accepted. A

food gift package must contain at least 3 different food items (prepared for human consumption), made by the 4-H member, in a suitable container no larger than 18"x18"x18". Prepared food items must have recipes attached with the entry. Additional homemade food items beyond the 3 minimum or purchased items may also be included in the gift basket. On the back of the entry card, answer these questions: a) what is the intended use; b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food product, not as an educational exhibit. Home canned foods must follow Food Preservation rules.

- Class 409** - Modified non-perishable food product. Product must be modified from original recipe to nutritionally enhance the food product. Attach one - 8 ½ X 11 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. Suggested resources: Altering Recipes for Better Health Purdue University: <http://www.ces.purdue.edu/extmedia/CFS/CFS-157-W.pdf>

Altering Recipes for Good Health Texas A&M University: http://fcs.tamu.edu/food_and_nutrition/PDF/alteringrecipes.pdf

- *Class 410 - Decorated Food (cookies, cupcakes, cakes)
 - *Class 411 - Edible Arrangement
 - *Class 412 - Food Flop (pre-entry not required. This class allows a member to visit with a judge to learn from the flop.)
 - *Class 413- Creative Cooks
19. This class is open to all 4-H clubs and members.
 20. An exhibitor or club may make one entry in this contest.
 21. The purpose of the "Creative Cooks" class is to promote 4-H, allow creativity and to benefit the 4-H clubs financially. At least one homemade food item needs to be included in the entry.
 22. This year's theme is "Family Fun Kit" and entries should encourage family interaction. 4-H'ers should include instructions on how to use the kit and a brief paragraph describing how the kit promotes family interaction.
 23. Any food items included should include recipe(s) attached to the item(s). Only non-perishable food items should be included in the kit, but reference to other foods is permissible.
 24. Exhibits should be in clear plastic food bags, confectionary/bakery boxes, or clear wide-mouth jars. It is acceptable to arrange items in a gift basket, but it is not required.
 25. Extension Agents will serve as "judges" and will award 1st, 2nd, 3rd place, etc.
 26. All items will be donated to the Cowley County 4-H Council and auctioned at the Food Auction Friday, August 4 at 5:15 p.m. in Barn 4. The proceeds from the sale of the Creative Cooks items (either club or individual entries) will be given to the club who made the entry.
 27. *Not eligible for State Fair

FOOD AND NUTRITION PREMIUMS

A CHAMPION AND RESERVE CHAMPION WILL BE AWARDED IN EACH CLASS, PROVIDING IF QUALITY MERITS.

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

FOOD PRESERVATION - DIVISION 3-V

1. Read "General Rules" on page 6.
2. Food preservation is open to all enrolled in the Foods project.
3. Exhibits must be sealed in clean standard canning jars, with matching brand (use Ball lids on Ball jars, or Kerr lids on Kerr jars, etc.) two piece lids. Ball and Kerr plaid or fruit decorated or brushed silver lids are permissible, but fancy padded lids, fabric over wraps or cozies interfere with the judging process and should not be used. No fancy packs unless recipe states to do so (ex: Pickled asparagus) Jars must be sealed when entered. Jelly must be

in half pint or pint jar. All other products must be in pint or quart jars. Note: There are now 12-ounce and 24-ounce canning jars available. If there is not a USDA recommended process time available for the 12-ounce jar, these may be used with a pint jar canning process recommendations. Use quart jar process recommendations for 24 ounce jars.

4. Each jar exhibited must be labeled with a uniform label placed 1" from the base of jar. You may need to make a label using an adhesive mailing label. The label must not cover brand name of jar. The label must give: Class No, Division, Product, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), date processed including month and year, Name, and County/District. Label templates may be found at: <http://www.kansas4h.org/p.aspx?tabid=46>
5. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be lowered one ribbon placing. Recipe must include recipe source, date of publication and altitude of residence.
6. Recommended method of processing must be used. Follow guidelines in K-State Research and Extension Food Preservation publications or "USDA's Complete Guide to Home Canning"; or "So Easy to Preserve, 6th Edition, Cooperative Extension Service The University of Georgia"; or "Ball Purple/Blue Book of Preserving" (2012). Open kettle processed food and oven canned food will be disqualified. Pickles and sweet spreads must be finished using the water bath process for the altitude of residence. Low acid products must be pressure processed properly for the altitude of residence. Refer to K-State Research and Extension publication, 4H712, "Food Safety Recommendations for Food Preservation Exhibits", for information to help you make informed, safe food preservation exhibit decisions.
7. Classes 470-475 will require one jar per class.
8. Each exhibitor is limited to 4 entries and only 1 entry per Class.

** Please add a "B" for Beginner (7-8), "J" for Junior (9-11), "I" for Intermediate (12-14), or "S" for Senior (15-18) to the following classes.

- Class 470** - Fruits, juices
- Class 471** - Sweet Spreads
- Class 472** - Low acid vegetables
- Class 473** - Pickles and Relishes
- Class 474** - Tomatoes and tomato products
- Class 475** - Meats
- Class 476** - Dried Foods- One kind of dried food product exhibited in a small canning jar. Suggested amount: 1/3 - 1/2 cup, or three or four pieces per exhibit. All meat jerky must be cooked to 160 degrees F before or after drying. Dried products must include the recipe and preparation steps.

FOOD PRESERVATION PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

BANNER AND 4-H PROMOTION - DIVISION 4-Z

Superintendent: Darla Mill

Jr. Superintendents: Madelynn Mill, Emily Mill

1. Read "General Rules" on page 6.
2. Each banner/4-H promotional item should illustrate a phase of 4-H work which is being practiced by club members.
3. Promotional project may include posters, fliers, graphic design, video or any other type of media which promotes the purpose and mission of 4-H work, citizenship, leadership and/or safety.
4. Banners should be made out of flame-resistant material.
5. Dimensions are to be no less than 12 and no more than 16 square feet with a minimum of 3 feet on one side.
6. Banners must be hung on a rod or rope or hanging wire, strong enough to support the banner. On the end of each dowel, there should be a wire or chain six inches long. Fasten one end of each wire to the dowel. Attach an "S" hook to the other end to permit display. Failure to properly hang banner will result in docking one ribbon placing and the corresponding premium.
7. Banners should be made of materials that permit the banner to be folded or rolled without damaging the display. Objects may not be attached to the front of the banner.
8. A label is to be attached to the front lower left hand (as you face it) corner of the banner giving the name of the club and county. Letters should be two inches in height. Water-proof ink prevents smearing and is recommended for the label.
9. 4-H exhibitors should avoid using copyrighted materials whenever possible. Copyrighted and/or trademarked materials utilized in banners, booths, or displays for endorsement or promotion instead of educational experiences will be disqualified.
10. Barn quilt must be a 2' x 2' square. Display cannot be on point (diamond shaped) due to display limitations. Needs to be prepared for hanging with hooks 2 inches from top edge of quilt. Participant is responsible for using the correct size hooks according to weight.
11. Barn quilts must be on 3/8" or 1/2" thick exterior durable material.
12. Champion Barn quilt may be selected for exhibit at the Kansas State Fair.
13. A champion and reserve champion will be given provided quality merits.

Class 529 - Banner
Class 530 - Promotional Project
Class 531 - Barn Quilt

BANNER PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$10.00
Red	\$7.50

White

\$5.00

SPECIAL AWARDS

Top Purple/Blue Ribbon 4-H Banner with a Citizenship theme, \$30 by the Cowley County Farm Bureau.

Top Purple/Blue Ribbon 4-H Banner with a Safety theme, \$30 by the Cowley County Farm Bureau.

NOTEBOOKS, PROJECT DISPLAYS, POSTERS - DIVISION 4-FF

Superintendent: Darla Mill

Jr. Superintendents: Madelynn Mill, Emily Mill

1. Read "General Rules" on page 6.
2. Exhibits should show current year's work.
3. Member must be enrolled in the project in which they are exhibiting.
4. Notebooks will be judged on quality, content and neatness. Notebooks must show goals set for project and how they were achieved.
5. Emphasis of project display will be on telling the story of what was done in the 4-H project (by using pictures, models, actual objects, etc.) Display may show a process, finished product, before-after, something learned, etc.
6. The educational display must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3' wide x 4' tall. Posters in project display should not exceed width of display.
7. Project displays must be placed on a card table furnished by exhibitor.
8. Limit one (1) project display per 4-H member.
9. Exhibitors must reserve space for project displays via the Extension Office. Limited space is available.
10. Promotional posters must be flat and no larger than 22"x 28". THE EXHIBIT SIZE RULE WILL BE STRICTLY ENFORCED! Exhibits exceeding the size guidelines will be docked one ribbon placing and the corresponding premium.
11. Exhibits in Notebooks, Project Displays, and Posters are limited to project areas that have no other 4-H Fairbook category. Exceptions may be made at the discretion of the Extension Agents where a project is unable to be entered due to unforeseen circumstances.
12. Classes marked with asterisk (*) are ineligible for State Fair competition.
13. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials to withstand fair conditions.
14. No "live" ammunition containing propellant or explosive powders may be used in any display! Artistic substitutes must be used in lieu of powder and "live" ammunition. Please remember that neither the Cowley County Fair Association, nor the Cowley County Extension Office are liable for the loss or damage of any personal property included as part of your display.
15. Name, county, age and year in project should be in a prominent location on the exhibit.
16. Shooting Sports exhibits will not be accepted if they are related to reloads.
17. Displays and posters will be judged on the following points:
 - Stopping Power..... 15
 - Is the main idea specific?
 - Is the idea presented clearly, simply, forcefully?

Interest, Holding Power.....	15
Does the exhibit give the observer additional facts in a clear, concise informative way?	
4H Project application.....	15
Is the subject matter an effective showcase?	
Mechanical Power.....	5
Correct letter size, pleasing color combination, appropriate symbols, and models?	
Personal Growth.....	25
How much knowledge was gained by exhibitor?	
Educational Value.....	25
Knowledge shared?	
Total.....	100

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

- *Class 655 - Self-Determined
- *Class 656 - Pets
- *Class 657 - Cats
- *Class 658 - Leadership
- *Class 659 - Citizenship
- Class 660 - Shooting Sports
- *Class 661 - Family Studies
- Class 662 - Home Environment
- *Class 663 - Healthy Lifestyles
- *Class 664 - Performing Arts
- *Class 665 - Communications
- *Class 666 - Reading
- Class 667 - Wildlife
- *Class 668 - Officer Notebook
- *Class 670 - Other (with special permission)
- *Class 671 - Sportfishing

NOTEBOOK, PROJECT DISPLAY, POSTER PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

ENERGY MANAGEMENT - DIVISION 4-AA

Superintendent: Brad Ziegler

Junior Superintendents: Riley Ziegler, Tyler Ziegler

1. Read "General Rules" on page 6.
2. No exhibitor may enter more than two articles in each class.
3. Only those who have met the requirements of the electric, small engine or wind energy project are eligible to exhibit in this division.
4. Articles that have been in use should be cleaned for exhibit.
5. A sheet of operating instructions must be furnished for any exhibit not self explanatory.
6. Projects (classes 550, 551, 552) must be operable using only 110 or 120V, AC or battery power. If battery power is required, batteries must be furnished.
7. Any project with a complexity of size or electronics must have (a) instructions for assembly and use, and (b) equipment available at the time of judging for actual testing of the exhibit.
8. No hand dipped solder may be used on exhibits.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

ELECTRICAL AND ELECTRONICS

Class 550- AC Electric Projects - Electric projects with a 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be a restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have access to examine the quality of workmanship.

Class 551- DC Electric Projects - Electric projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered project. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must work with batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 552- Electronics Projects - Electronic projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/assembly manual, if from a kit. Include plans if an original project. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 553- 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'x4'.

SMALL ENGINES

1. All exhibits should involve engines smaller than 20 horsepower for classes 554-556.
2. Displays are limited to 4' wide and 4' deep - both upright and floor displays.
3. Class 554- 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'.
4. Class 555- Maintenance- Exhibit a display that illustrates either 1) Routine maintenance procedures OR 2) Diagnosing and trouble shooting 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 556- 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'.

ALTERNATIVE ENERGY

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

Class 557- 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 558- 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.

ENERGY MANAGEMENT PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for the Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

ENTOMOLOGY - DIVISION 4-BB

Superintendent: Cristine Noland

Jr. Superintendents: Lindsay Noland

1. A 4-H member enrolled in the Entomology Project may exhibit in the ENTOMOLOGY COLLECTION, ENTOMOLOGY NOTEBOOK and/or EDUCATIONAL DISPLAY categories. Within each category, there are classes in Beginning, Intermediate or Advanced phases in which they enroll. An Introductory Entomology Collection Class exhibit is encouraged for county fairs (first year members only), but these may not be exhibited at the State fair. See class descriptions within categories for requirements.
2. We are transitioning from the taxonomy as listed in the "Insects in Kansas" book to the taxonomy listed on the "Insects in Kansas Book: 2016 Revised Taxonomy" which follows www.bugguide.net
3. Resources for exhibiting can be found on the State Kansas 4-H Website:
4. <http://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html>.

COLLECTION CLASSES

1. All entries should be submitted in an 18 x 24 x 3.5 inch wooden display box with a clear plastic top (such as Plexiglas). Boxes can be handmade or purchased as long as they are of the correct size. Please visit the website listed above for box instructions and plans
2. During the transition, Orders & Family names should follow the taxonomy either
 - As printed in "Insects in Kansas" book or
 - As printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net
3. Project members are encouraged to progress towards option b by 2019 or as revised "Insects in Kansas" book is available.
4. 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:
 - "Insects in Kansas" book or
 - "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net
5. 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.
6. The number of orders, specimens (and families where required) must be included on both of the exhibitor's box identification labels. Only adult specimens can be used in collection boxes; however one female and one male of a species correctly identified can be displayed.
7. Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Arrangements that run lengthwise of the box are frequently downgraded in judging. Specimens are

to be arranged by Order in the box, then Family where required. The sequence arrangement of the Orders in the box will be left up to the member. It is suggested to put the Lepidoptera and Coleoptera in the center of the collection (for Intermediate and Advanced Classes to put these two orders in a box). Then work the other orders around them.

8. For each collection class, two labels will 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 on the second label are encouraged for 2016 and will be required by 2019. Collector's name on the date/locality label is optional.
9. 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. Other specimens from the United States may be included as long as they are properly labeled and placed in a separate section of the box labeled "Out of State Insects". These specimens will not be included in the count for judging/scoring. Emphasis in judging will be placed on the overall variety of insects represented in the collection, accuracy of identification, skill and technique acquired in mounting of specimens, and overall arrangement and appearance of the collection.
10. Only specimens of the class Insecta should be included.. *This means specimens from arachnids, such as spiders, millipedes, centipedes, ticks, mites, etc. will not be judged or included in overall specimen count.*
11. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
12. 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.
13. Points will be deducted from collections and notebooks if:
 - Non insects and out of state specimens are not in a designated 'display only' area.
 - Any specimens are immature.

Class 4899 - Introductory Entomology Collection

Insect collection of at least 6 orders, including 15-30 species may be shown in a small plastic box (i.e. pencil box or small tote- cover collection with clear plastic so they can be displayed) or a regular size display box (preferred) and grouped according to order. Common simple names (ex: fly, beetle) may be used on individual specimens but date/ locality labels are required.

Class 4900 - Beginning Entomology Collection

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

Class 4901 - Beginning Entomology II 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 or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

Class 4903 - Intermediate Entomology Collection

Display a minimum of 100 and a maximum of 300 species representing at least 10 orders. Two standard boxes can be used. Follow the general guidelines listed for Collections. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging) "Insects in Kansas" book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net - 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. 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 *front* of one of the display boxes. 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 4905 - Advanced Entomology Collection

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

NOTEBOOK CLASSES

1. Individual entries are to be placed for display in a three-ring notebook for competition.
2. During the transition, Orders & Family names should follow the taxonomy either
 - as printed in "Insects in Kansas" book or
 - as printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net
3. Project members are encouraged to progress towards Option B by 2019 or as revised "Insects in Kansas" book is available.
4. 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.

5. Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitors name, county and class 4-H'er is enrolled in and statement of taxonomy used:
 - "Insects in Kansas" book or
 - "Insects in Kansas Book: 2016 Revised Taxonomy ", which follows www.bugguide.net
6. The number of orders, specimens and families (required in Intermediate and Advanced classes) must also be included on the Title Page.
7. 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.
8. Date, common name, full county name and state abbreviation should be included for each species. Collector's name on the specimen page is optional.
9. Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
10. 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.
11. 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.
12. For the Intermediate and Advanced classes, insects are also to be grouped by family behind each order divider.
13. 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.
14. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.

Class 4907 - Introductory Entomology Notebook

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

Class 4908 - Beginning Entomology Notebook

Display a minimum of 20 and a maximum of 60 insect species representing at least 7 different orders. Follow the general guidelines listed for all Notebooks, including the Special project. Members can exhibit in this class a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

Class 4909 - Intermediate Entomology Notebook

Display a minimum of 60 and a maximum of 100 species representing at least 9 orders. Follow the general guidelines listed for Notebooks, including the Special project. In addition, family identification is required for all insects in any two of the following six orders: (Only two will be counted for judging) "Insects in Kansas" book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or "Insects in

Kansas Book: 2016 Revised Taxonomy ” which follows www.bugguide.net - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera. 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 4910 - Advanced Entomology Notebook

Display a minimum of 100 and a maximum of 200 species representing at least 12 orders. Follow the general rules listed for Notebooks, including 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 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. Arrange display in the box so the box can be displayed lengthwise.
2. Each exhibitor is required to identify each box by placing two identification labels bearing exhibitor's name, county and the class in the box. One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Information on numbers and kinds of insects is not needed for educational exhibits.
3. Displays may consist of specialized groups of insects or their close relatives, or relate to any aspect of their behavior, biology or ecology.
4. Displays should be presented in a clear, concise, and interesting manner.
5. Displays should include only work performed during the current year.
6. Title of the exhibit should be indicated inside the box.
7. The purpose of the project is to learn more about the importance, life cycles, biology, ecology, diversity, etc. of insects and related arthropods. Subject matter can be as varied as the animals themselves.
8. Creativity is encouraged!

Class 4902 - Beginning Educational Display

Class for individuals that are exhibiting in the Beginning I and II Collection or Beginning Notebook Classes. If only exhibiting in this category, then ages 9-12. Follow the general rules listed for the Educational displays.

Class 4904 - 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 4906 - Advanced Educational Display

Class for individuals that are exhibiting in the Advanced Collection or Advanced Notebook Classes. If only exhibiting in this category, then

ages 13 or older. Follow the general rules listed for the Educational displays.

ENTOMOLOGY PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

GEOLOGY - DIVISION 4-DD

Superintendent: Stephanie Cook

Jr. Superintendents: Clayton Cook

9. Read "General Rules" on page 6.
10. Each exhibitor will be limited to one entry per Class.
11. The exhibit box should be 18" x 24" x 3½". Plexiglas covers are required. Boxes with glass covers WILL NOT be accepted. All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep exactly. If a box has a sliding Plexiglas cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes 5300-5304 only, the dimensions of the box should be appropriate for the display, but should not exceed 18"x24"x3½".
12. Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper left hand corner of the 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).
13. Exhibitor may enter in both geology and lapidary classes. Exhibitor may show in only one of the first four geology classes (5200, 5201, 5202 or 5203). Exhibitor may also show in geology class 5204 (special exhibit), 5205 Mineralogy and in one lapidary class.
14. Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
15. For the geology classes 5200, 5201, 5202 and 5203, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words "phylum, class, genus" on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum:

- Brachiopoda Class: Articulata Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda Class: Articulata Genus: Composita).
16. For geology classes 5200, 5201, 5202 and 5203, and 5205 all specimens must be collected (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.

- Class 5200** - Geology. Display at least 15 rocks, minerals, and fossils collected during the current 4H year. Exhibitor is limited to one exhibit box. Only those exhibiting at State Fair for the first time may enter this class.
- Class 5201** - Geology. Display at least 30 different rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4H year.** Exhibitor is limited to one exhibit box. This class is open to those exhibiting either first or second time at State Fair.
- Class 5202** - Geology. Display at least 45 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- Class 5203** - Geology. Display at least 60 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting the fifth time or more at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.
- Class 5204** - Geology Educational Exhibit: Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. Exhibit limited to 4 feet of table space. **Care should be taken to use durable materials that will withstand Fair conditions.** Exhibitor may show in the class regardless of number of times he or she has exhibited at State Fair or whether exhibitor has entries in classes 5200, 5201, 5202 or 5203. Exhibitor may also exhibit in lapidary class.
- Class 5205** - Mineralogy. Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (ie: Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (ie: CaCO₃ for calcite) if known.

LAPIDARY CLASSES

The lapidary will be judged on the following criteria:

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

All lapidary specimens should be labeled with the following information:

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

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

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

Class 5302 - Lapidary. Display before-and-after examples of at least 6 varieties of specimens, 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 5303 - Lapidary. Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H'er, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

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

Special lapidary exhibits should be entered in class 5204. Please note that each member is limited to one entry in this class.

GEOLOGY PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

PHOTOGRAPHY - DIVISION 4-GG

Superintendents: Ashley Watt, Debbie Watt, Julie Hopkins, Marcia Thiel

1. Read "General Rules" on page 6.
2. Exhibitors may enter a maximum of 4 photographs.
3. Black and white prints and color photographic prints and/or videos may be exhibited.
4. Photographs entered must be the result of the current year's project work by the 4-H member. Photo images must be taken by the 4-H Member (exhibitor).
5. Remove white border from the photo print before mounting.
6. All photos must be no larger than 8" x 10" and no smaller than 7"x 9", after trimming.
7. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" sheet of white or cream studio matte board. Photos mounted on poster board will not be displayed. Mount boards may be purchased in the Cowley County Extension Office.
8. Photos must be mounted with the top edge of the print 1" below the top of the mount (board is always oriented narrow side up). The sides of the print must be equal distance from the two sides of the mount.
9. A permanent mount must be made by using photographic adhesive.
10. No lettering, including dates, is permitted on the front of the mount or on the photo. No underlay or borders are to be used.
11. To protect exhibits from dust and moisture, place mounted photo in protective plastic bag.
12. On the back of the mount, write; the exhibitor's name, photo class, and County name.
13. Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
14. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes. HDR photos are to be entered in the standard photo class.
15. Digital Composite Image: Finished photo must be created from two or more original images photographed by exhibitor. HDR photos do not qualify for this

class. Photos will be judged on photographic merit as well as manipulation technique and process.

16. The black and white class is for black and white prints only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class.
17. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the Cowley County Fair.
18. Photos with live subject(s) on railroad right away or taken from railroad right of way property will be disqualified, not judged and not be displayed at the Cowley County Fair.
19. Copyright protections must be observed. Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the Extension Agent(s) responsible for the photography department.

Class 675 - Color photos taken by a 4-H member with 3 years or less in the project.

Class 676 - Color photos taken by a 4-H member with 4 – 7 years in the project.

Class 677 - Color photos taken by a 4-H member with 8 or more years in the project

Class 678 - Black and white photos - all levels of experience (Black and white prints only)

Class 679 - Digital Composite Image

Photo must be from two or more originals taken by the exhibitor. Exhibitor must include a second 11 x 12-1/2 matte board mounted with standard size print or prints (if more than one photo was used) of the original photo(s) and 3 x 5 card(s) explaining what manipulation was done. May include additional photos (standard size and may be layered) showing editing steps. Place both matte boards in the same protective plastic bag.

Note: See rule 9 above for definition.

PHOTOGRAPHY PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

CLOVER BUDS-- DIVISION 4-HH

Superintendent: Stephanie Mackey

1. Clover Buds is a non-competitive division for Clover Buds members ages 5 and 6. Each exhibitor will receive a participation ribbon. No premiums will be given in the Clover Buds division.

2. All entries must be pre-entered with the County Extension Office by 5:00 p.m., Wednesday July 5, 2017. Late entries will be accepted within 72 hours of the published deadline with a \$30 fee/entry form.
3. Clover Buds will be allowed to showcase one Clover Buds activity (foods and nutrition, clothing buymanship, arts and crafts, photography, plant science, heritage arts, pets).
4. Exhibitors will Conference with the judge to discuss their project experience Saturday, August 5 at 12:30 p.m. in Barn 4.

- ***Class 701** - Clover Buds Clothing Buymanship (Cloverbuds can model at public review on July 25)
- ***Class 702** - Clover Buds Foods and Nutrition
- ***Class 703** - Clover Buds Visual Arts (may include ceramics, arts and crafts, or sketching and drawing)
- ***Class 704** - Clover Buds Pets (Amphibians - Frogs & Toads, Ant Farms, Cats, Dogs, Fish, Gerbils, Guinea Pigs, Hamsters, Mice, Parakeets, Rabbits, Rats)
- ***Class 705** - Clover Buds Plant Science
- ***Class 706** - Clover Buds Photography
- ***Class 707** - Clover Buds Heritage Arts

SPACE TECH – DIVISION 4-II

Superintendent: Brenda Hicks

Junior Superintendent: Charlie Hensley

1. Read “General Rules” on page 2.
2. The 4-H member must be currently enrolled in the 4-H Space Tech project to exhibit in this division. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H.
3. Educational displays should be creative and showcase something specific the 4-H member has learned in the project during the current 4-H year. Follow copyright laws, as explained in the General Rules. Site your sources of scientific information on your exhibit, when appropriate.
4. Educational displays are not to exceed a standard commercial 3’ X 4’ tri-fold display board. Other odd sized-type displays (non-tri-fold) shall not exceed 30”x36”. Care should be taken to use durable materials that will withstand Fair conditions. No electricity will be provided.
5. Exhibitor’s name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
6. Educational posters must be no larger than a 22” x 28” poster board.
7. Project notebooks must be organized in a 3-ring binder.
8. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
9. All revisions of all forms previously released for the SpaceTech division either undated or dated prior to 2016 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.
10. Relevant documents may be obtained from Cowley County Extension Office or from www.KansasSpaceTech.com

ASTRONOMY

1. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or districts should select only top blue or purple ribbon Astronomy exhibits which meet State Fair guidelines.
2. 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.
3. 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.
4. 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.
5. See the last section for full details about exhibiting posters, display boards and notebooks.
6. 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.
7. The telescope must be properly assembled and painted with a smooth and uniform finish. Decals, if used, should be attached smooth and tight.
8. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
9. Exhibitor's name, county, 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 5500 - Telescope made from kit

Class 5501 - Telescope made from original design

COMPUTERS

1. The 4-H computer project teaches concepts related to computers, hardware knowledge, software programming and applications, internet safety, the building, maintenance and repair of computers and future career opportunities. Please note that the actual construction of computer hardware (i.e., building a computer, electronic devices with a mother-board based manipulation) will remain in the Energy Management division.
2. The 4-H members must be currently enrolled in the 4-H 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, 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.

COMPUTER SYSTEMS

1. 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).
2. 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.
3. All exhibits must be 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. Physical computers as an exhibit will not be accepted.
4. 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.
5. 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 manila envelope with the Computer Exhibit Form attached to the front, this form can be downloaded at www.KansasSpaceTech.com.
 - A USB drive labeled with the 4-Hers name, county, and club; in a way that does not prevent it from being plugged into a computer.
 - 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. On the back side of the graphic the 4-Her’s name, county, and club should be listed.
 - 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).
6. 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.
 - The “4-H Engineer’s Journal” should start with a dated entry describing what the 4-H member is trying to accomplish/build.
 - 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).
 - 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.
 - Pictures can also be included in the “4-H Engineer’s Journal” but should not be more than 50% of the entries.
 - The “4-H Engineer’s Journal” should contain at least one graphic.
 - The “4-H Engineer’s Journal” must be at least 3 pages in length.
 - An example of a “4-H Engineer’s Journal” can be found at www.KansasSpaceTech.com.

- 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.
7. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive.
 8. Diagrams or decision trees showing the logical flow of the system must be included on the USB drive for all exhibits.
 9. 4-Hers must bring a computer that will run their project to the fair for judging. Operating instructions are still required.
 - 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.
 10. Each exhibit must accomplish a specific automated task using a computer or virtual machine (VM).
 11. Kansas 4-H SpaceTech has made available Linux Virtual Machines (VMs) that can be downloaded and used to create projects on such as web servers, networking, and many other projects. For more information on how these VMs can be leveraged or to download them visit www.KansasSpaceTech.com. 4-Hers are not required to use the VMs in their projects. They are optional.
 12. 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.
 13. 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.
 14. 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.
 15. 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:
 - 4-H Engineers Journal (what I learned to make it work), 50% overall score
 - Instructions (how I help others make it work), 25% overall score
 - Functionality (does it work), 12% overall score
 - Diagrams (and code if applicable) (how I think it works), 13% overall score
- Class 5590** - Computer program, application, app, script, or coded system that is new and unique (not merely a file run in a program, such as a ‘word document’ or a picture drawn in ‘Microsoft Paint.’)
- Class 5591** - Computer presentation (power point, web page/site, animated graphics, etc.)
- Class 5592** - Single computer system (web server, database server, etc.)
- Class 5593** - Networked system consisting of two or more computers

ROCKETRY

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. All NAR documents, with the exception of the “pink book,” referenced herein can be found at <http://www.nar.org>.
 5. 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.
 6. See the last section for full details about exhibiting posters, display boards and notebooks.

Exhibit Definitions for ALL rocketry categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is “any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle.” The intent of scale modeling is, according to the NAR, “to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish, and flight performance.” (NAR “Pink Book” 50.1 4-1)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H Space Tech a high powered rocket is defined as a rocket that meets any of the following criteria:
 - Is 2 inches or greater in diameter (not including fins) and taller than 3 feet (36 inches including fins)
 - Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch;
 - Uses an ‘E’ engine or larger to launch (2D’s, 4C’s, 8B’s, etc.);
 - The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds of thrust.
4. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.:
 - Average thrust in excess of 80.01 Newtons
 - Contains in excess of 2.2 ounces (62.5 grams) of propellant and are limited to only H and I motors.
5. High power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR and maintaining that certification. This applies to all membership levels in the NAR. Specifically the “Formal Participation Procedure” for the “Junior HPR Level 1 Participation Program” as outlined by the NAR.
6. NAR rules for launching and construction of all rockets are assumed to be used by all 4-H Space Tech exhibitors and will be considered during judging.
7. For the purposes of Kansas 4-H Space Tech, NO rocket may be launched using engines totaling more than an ‘I’ impulse engine or 640 Newton-seconds of total thrust.

Exhibit Rules for ALL rocketry categories:

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

1. 4-H members must be currently enrolled in the 4-H Space Tech-Rocketry program to exhibit in this division.
2. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be either a "kit" or a "rocketry educational exhibit" and the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
3. The report that accompanies the rocket must be limited to the 4-H Space Tech Rocket Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the rocket stand or rocket. This may be downloaded from www.KansasSpaceTech.com Any rocket exhibit not including this completed envelope will receive an automatic participation ribbon.
4. Plans (or a photocopy) must be placed inside the envelope. This includes original design rockets.
5. If a rocket kit has been modified structurally, 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.
6. One or more photographs of the rocket at the launch site are required.
7. Photographs showing the rocket at the moment of ignition are preferred.
8. Photographs must be mounted on one side of 8 ½" x 11" page(s).
9. There must be at least 1 page of photos and no more than 5 pages of photos.
10. Include at least one photo showing rocket construction, preferably with the exhibitor included.
11. 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.
12. To exhibit in this division:
 - The rocket must have been flown.
 - Support rods must not extend past the tip of the highest nosecone on the model.
 - Support rods must remain in the upright position, 90 degrees to the display base, do not angle. If support rods are not perpendicular to the base, the judge should deduct two ribbon placings.
13. No model may be submitted on a launch pad.
14. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.
15. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.
16. 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.

17. Flight damage is to be documented by the participant on either the construction plans or the 4-H Space Tech Rocket Exhibit Information Form.
18. 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.
19. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
20. 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.
21. 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.
22. Rocket engines should not be used to join multi-stage rockets together.
23. Multi-stage rockets can be displayed without having the stages connected together.
24. The different stages must be included to complete the rocketry exhibit, incomplete exhibits will be deducted at least one ribbon placing.
25. Use of any engines to join the stages together will be subject to immediate disqualification.
26. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
27. 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 TRIPOLI for investigation and possible revocation of membership.

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. 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. 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.
4. 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.
5. 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.

6. Fins should be rounded or streamlined to reduce drag on all exposed sides unless instructions indicate otherwise.
7. Fins and body tubes are to be sealed with sanding sealer and/or primer to eliminate the appearance of body grooves and wood grain.
8. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
9. Any seams on plastic parts are to be sanded smooth.
10. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials.
11. The nose cone is to fit snugly but still allow for easy removal.
12. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly.
13. 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-Her to display maximum creativity in the finishing of their rocket.
15. 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.
16. "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.
17. Scale Model Rockets are to be finished and completed with a majority (greater than 70%) of decals.

Model Rocketry Guidelines (ages 7 and up):

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

Rockets classified as high powered may not be entered in this category.

1. 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, and age must be labeled on the top of the base.
2. 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, and age must be labeled on the top of the base.
3. All exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However in the event that there is a modification in this code, the Space Tech Action Team may review and implement the modified code.

Original Design Rocket Guidelines (ages 11 and up):

Purpose: To allow for youth to develop their own rockets (model 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.
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.

Alternative Skins (ages 14 and up):

Purpose: Alternative skins are an advanced construction technique that allows the builders of model rockets to display maximum design and creativity in their models. Alternative skins are thin coverings over a supporting skeleton that serve as the finish of a rocket as opposed to painting.

Construction and Operating Rules and Guidelines:

1. The General exhibit rules for ALL categories apply.
2. Use of alternative skins used for model aircraft is permitted on rockets of original design provided adequate provisions are made to prevent the rocket from catching fire during all phases of flight.
3. When used in construction these alternative skins should not be used as primary structure for the rocket. The rocket should still be of sound design and construction to insure safety for personnel performing launch activities as well as others who are in the nearby vicinity.

Types of Covering:

1. Plastic shrink type coatings used for radio control model aircraft are permitted. These can be obtained from various manufacturers and hobby suppliers.
2. Other types of fabric coverings such as cloth types using coatings for stiffness are permitted as long as all of the rules set forth above are met.

Quality of Finish:

When the above finishes are used the following judging criteria will apply in addition to those for judging other rocketry divisions.

1. Seams and transition areas will be uniform and even when they are needed in the construction.
2. Gaps and holes are not permitted in the covering especially where the fins or other stabilizing devices meet the main body of the rocket.
3. Omission of these skins from the bottom of the rocket is permissible. Paints and other types of coatings currently used for rocketry may be substituted in these areas.
4. Alternative skins in this section may also be used in conjunction with paints on the rocket. However, care shall be taken to insure that edges of the alternative skins will not peel off in flight.

Division A -Exhibitors 7 through 13 years old

Class 5520 - 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 5521 - Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

Division C -Exhibitors 14 years and older

Class 5525 - Rocket made from kit. Include plans.

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

Class 5527 - 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 5530 - Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

High Power Rocketry Guidelines:

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://www.Kansas4-H.org/>. Click on KSF Packet link.
4. 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 SpaceTech Action Team may review and implement the modified code.
5. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
6. If a rocket is launched using an engine(s) that has 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification, and should include supporting documentation of such (a copy of Level 1 card is sufficient).
7. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of 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.

8. High Power Rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division E -Exhibitors 14 years and older

Class 5535 - High power rocket made from kit or original design.

ROBOTICS

1. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited.
2. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds.
3. 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.
4. 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. No remote control devices will be allowed.
5. Each robot must be in operable working condition. Youth will show the judge how to operate each robot to evaluate its workmanship and its ability to complete the required tasks for this current 4-H year.
6. Each exhibitor is required to complete the "4-H Space Tech Robotics Exhibit Information Form" which is available through the Cowley County Extension Office. This form must be attached to the outside of a 10" x 13" manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
7. The exhibit must include written instructions for operation, construction plans, one to three pages of project photographs or a 5 minute CD, DVD, or video presentation, and robot programming information, if applicable. 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.
8. Creativity, workmanship, and functionality will be strong criteria in judging the "Robot designed by Exhibitor" classes.
9. Team project notebooks must be organized in a 3-ring binder and should highlight information/roles of each team member, drawings, charts, photographs, goals and objectives of your robotics project, and all robotic competitions your team has competed in during the current 4-H year.
10. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H Space Tech Robotics team. However, as mentioned in #1, 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 5505 - Robot made from a commercial (purchased) kit.

- Class 5506** - Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 5507** - Programmable robot made from a commercial (purchased) kit.
- Class 5543** - Junk Drawer Robotics-based curriculum robot
- Class 5508** - Robotics Educational Display
- Class 5528** - Robotics Educational Notebook
- Class 5529** - Robotics Educational Poster

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

- Class 5509** - Robot made from a commercial (purchased) kit.
- Class 5510** - Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 5511** - Programmable robot made from a commercial (purchased) kit.
- Class 5544** - Junk Drawer Robotics-based curriculum robot
- Class 5512** - Robotics Educational Display
- Class 5536** - Robotics Educational Notebook
- Class 5537** - Robotics Educational Poster

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

- Class 5513** - Robot made from a commercial (purchased) kit
- Class 5514** - Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 5515** - Programmable robot made from a commercial (purchased) kit.
- Class 5545** - Junk Drawer Robotics-based curriculum robot
- Class 5516** - Robotics Educational Display
- Class 5538** - Robotics Educational Notebook
- Class 5539** - Robotics Educational Poster

Division D – Team Robotics Project

- Class 5517** - 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. Exhibitors in this division will be assigned a task for their robots to perform. The Tasks are changed annually.
- Class 5518** - Team Robotics Educational Display
- Class 5540** - Team Robotics Educational Notebook
- Class 5541** - Team Robotics Educational Poster

SPACE TECH PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

WOODWORK - DIVISION 4-JJ

Superintendent: Liza Poovey

1. Read "General Rules" on page 6.
2. Exhibits in Classes will be limited to one article in each class, thus no member shall exhibit more than six articles.
3. A copy of the plan that the exhibit was made from must be attached to the exhibit with the exhibitor's name clearly written on the plan. Exhibits that do not include plans will be docked one ribbon placing and the corresponding premium.
4. Exhibitors must participate in Conference Judging during the scheduled time. If exhibitors do not participate, they will be docked one ribbon placing, and the corresponding premium.

** Please add a "J" for Junior (7-9), "I" for Intermediate (10-13), or "S" for Senior (14 and over) to the following classes.

Class 711 - Woodwork Article for farm or shop use.

Class 712 - Lawn Furniture

Class 713 - Household Furniture

Class 714 - Article made from a kit

Class 715 - Miscellaneous articles not included in above 3 classes.

Examples: doorstops, knife racks, cutting boards, bird feeders, household equipment.

Class 716 - Piece of repaired and refinished furniture with brief explanation of the work completed, attached to the exhibit. This Class is open to those who have met the requirement of either woodwork or home environment projects.

WOODWORK PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$2.00
Red	\$1.50
White	\$1.00

SPECIAL AWARDS

Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the food sale and auction.

DOG SHOW - DIVISION 4-KK

Superintendents: Rachel Hanna, South Central Kansas Kennel Club

1. Read "General Rules" on page 6.
2. A show will be held if at least 5 dogs are pre-entered. If no more than 5 dogs are pre-entered, a demonstration will be held.

3. Show regulations, scoring procedures and class requirements will be followed in accordance with the latest edition of the Official Kansas 4-H Dog Show Guidelines (S-46). Copies are available at the County Extension Office.
4. No identifying uniform can be worn in the show ring.
5. Any outward abuse of a dog on the fairgrounds will result in disqualification.
6. It will be required that proof of rabies vaccination, signed by a veterinarian, be shown at show time. It is recommended that dog's distemper, hepatitis and leptospirosis vaccinations be up-to-date. Females in season will not be allowed to show. Dogs exhibiting signs of illness will be disqualified.
7. Classes marked with an asterisk (*) are ineligible for State Fair competition.
8. Baiting dogs is not allowed.
9. Once a 4-H'er scores 170 points or greater with the same dog under two different judges, the member must advance to the next obedience level at the start of the next 4-H year. At any time that the leader, parent and member agree that the 4-H'er and dog are ready to move to the next level, they may; but once that is done, they cannot regress back to a lower level.
10. State Fair Qualification: To exhibit at the Kansas State Fair, the exhibitor must qualify at any 4-H invitational or county fair show and shall present a certificate to the county Extension Office. The certificate shall be signed by the show judge and dog project leader or show superintendent at the show in which the dog qualified.

OBEDIENCE COMPETITION

A 4-H'er may enter only one dog per obedience class. See Rule 9 to enter the proper class. A score of 170 points or greater is qualified score, with at least 50% in each exercise. In case of tie, a sudden death run-off on the heel free exercise will be held.

***Class 717** - Subnovice A: First year handler exhibiting a first year dog. All exercises done on leash.

***Class 718** - Subnovice B: Experienced handler exhibiting a first year dog.

Class 719 - Novice: For all project members who have qualified through Subnovice B and Second year project members and above.

Class 720 - Graduate Novice: For experienced 4-H'ers with dogs who have scored at least 170 points in Novice A or Novice B.

Class 721 - Open A: For all 4-H'ers and dogs who have qualified in graduate novice.

Class 722 - Open B: For all 4-H'ers and dogs who have qualified in preliminary Open A.

Class 723 - Utility A: For all 4-H'ers with a dog that qualified in Open B and passed. All exercises off leash.

Class 724 - Utility B: For all 4-H'ers with a dog that qualified in Utility A and passed. All exercises off leash.

SHOWMANSHIP COMPETITION

Entries will be judged on fitting of 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.

- Class 725** - Jr. Showmanship, 4-H'ers 7 to 9 years old
Class 726 - Int. Showmanship, 4-H'ers 10 to 13 years old
Class 727 - Sr. Showmanship, 4-H'ers 14 years and older
 *Age classifications are before January 1 of the current year.

Showmanship is based on 100 points, with 95-100 for Purple; 90-94 for Purple/Blue; 80-89 for Red; and 79 and less for white.

DOG SHOW PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$3.00
Red	\$2.00
White	\$1.00

AGRICULTURAL MECHANICS PROJECTS - DIVISION 5-MM

Superintendent:

1. Read "General Rules" on page 6.
2. All entries must have been constructed within the past two years. The project cannot have previously been exhibited at the Cowley County Fair. Painting or spot painting is not permitted on projects after arrival on fairgrounds. Projects with wet paint will be deducted five points under finish.
3. The exhibitor must attach the four following items to each project: A) entry card; B) project description, including working drawing; C) itemized bill of materials, including all purchased materials; and, D) list of skills and safety features performed. Pictures are encouraged but are not required. Items A-D shall be enclosed in a two-gallon, recloseable plastic bag and attached to the exhibit.
4. For Sale signs are not permitted on individual projects but the bill of material may contain a statement that the project is for sale.
5. Exhibitors will be limited to one exhibit each in class 750 - 752 plus one exhibit in class 753.
6. State Fair Qualification: to exhibit an agricultural mechanics project at the Kansas State Fair, the exhibit must have been constructed in the high school ag department by an agricultural education student and a bonafide Kansas FFA member.

Class 750 - Large Machinery and Equipment. More than \$1500 construction cost as justified in bill of material. Examples include gooseneck livestock trailer, straight tongue livestock trailer, single axle trailer (8 ft. or longer), grain trailer, round bale trailer, car trailer.

Class 751 - Intermediate Machinery and Equipment. Between \$500 and \$1499 construction cost as justified in bill of material. Examples include cattle working equipment, pickup flatbed, log splitter, box scraper, hydraulic press.

Class 752 - Small Machinery and Equipment. Less than \$500 construction cost as justified in bill of material. Examples include engine stand, picnic table, car ramp, feed bunk, gate, two wheel trailer, cattle clipping chute.

Class 753 - Micro Project. Less than \$100 in construction cost as justified in bill of material. Examples include ornamental and/or recreational items.

AGRICULTURAL MECHANICS PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$5.00
Red	\$4.00
White	\$3.00

JUDGING CONTESTS - DIVISION 6-LL

Livestock Judging Contest

1. Open to any bonafide 4-H or FFA member in the county. Members need not be enrolled in livestock project to participate.
2. A club or chapter may enter as many teams of 3 or 4 members, as they desire. The highest three scores will be used to determine the team scores.
3. Age groups will be as follows: Junior 4-H division (age 7-13); Senior 4-H Division (age 14 and over).
4. Registration will be at 8:00 a.m. on Monday in the livestock show arena.
5. Four to six classes including beef cattle, sheep, meat goats and swine will be judged. Oral reasons will be given.
6. Members may participate as individuals if they are not a part of a team.

SPECIAL AWARDS

Livestock Judging

****Plaques sponsored by American AgCredit****

AGRICULTURAL CHALLENGE OF CHAMPIONS

Monday, August 6, 2017 Livestock Show Arena, 11:00am

INTENT: To recognize an outstanding Cowley County 4-H or FFA agriculture/livestock-oriented youth.

1. One individual will be selected to represent Cowley County at the Kansas State Fair Agricultural Challenge of Champions.
2. Contestants must be at least 16 years of age but not over 19 years of age before January 1.
3. The Superintendents of the contest, in cooperation with the contest committee, will be in charge of the contest. They shall have the authority for the interpretation of the policies.
4. The contestants will be furnished with placing cards and any other necessary forms. No contestant will be allowed to have books, notes, or pamphlets during the contest.
5. While contest is in session there shall be NO COMMUNICATION among contestants or anyone other than the group leader.

Format of Contest and Point Value

1. Written test with 25 questions concerning total agricultural/livestock industry. 50 points
2. Identification of 10 pieces of livestock equipment. 40 points

3. Identification of 25 breeds of beef cattle, dairy cattle, sheep, hogs, goats, & horses. 50 points
4. Identification of 10 concentrate and/or roughage. 40 points
5. Identification of 10 retail cuts of meat. 40 points
6. Identification of 10 common crops (either plant or seed). 20 points
7. Identification of 10 common weeds (plant only). 20 points
8. Identification of 5 common agronomic items including deficiency symptoms, fertilizers, inoculants, ag lime, soil probes, etc... 10 points
9. Written test with 25 questions on farm equipment. 50 points
10. Written test with 25 questions on farm management. 50 points
11. Written test with 25 questions on general agriculture. 50 points
12. Ag Mechanics - Identification of tractor parts. 40 points
13. Five minute, impromptu presentation on agricultural subject provided. 200 points

The overall individual ranking shall be determined by the total of each contestant's points earned from the contest. The Cowley County Fair Association will award \$100 to the winner, to be awarded if the winner participates in the Kansas State Fair Agricultural Challenge of Champions Contest.

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