

August 3-7, 2023



Cowley County Fair

WINFIELD, KS

K-STATE
Research and Extension



Official 4-H Fair Rule Book

***Pre-Entries are due**

Wednesday - July 5, 2023

Special thanks to
the sponsor of the
2023
Cowley County
Official
4-H Fair Rule Book



cowley.edu | 800.593.2222

TABLE OF CONTENTS

TABLE OF CONTENTS.....	3
SHORTER MEMORIAL BEEF EXHIBITOR AWARD	5
ED FISHER MEMORIAL LIVESTOCK EXHIBITOR AWARD	5
4-H AND YOUTH DEPARTMENT SCHEDULE.....	6
2023 FAIR CHANGES.....	9
4-H AND YOUTH DEPARTMENT GENERAL RULES	10
2023 LIVESTOCK HEALTH REQUIREMENTS.....	13
LIVESTOCK/GENERAL LIVESTOCK RULES.....	16
MARKET LIVESTOCK SALE	21
BEEF CATTLE	22
BUCKET CALF	25
SWINE.....	26
SHEEP	27
DAIRY CATTLE	29
HORSE.....	31
4-H JUNIOR RODEO.....	34
GRAND CHAMPION SHOWMAN/ROUND ROBIN CONTEST ..	39
DAIRY GOATS	41
MEAT GOATS.....	43
POULTRY/PIGEONS	45
RABBITS.....	46
LIVESTOCK SPECIAL AWARDS	49
STATIC EXHIBITS.....	53
4-H/FFA FIELD CROPS	54
HORTICULTURE/FLORICULTURE.....	55
FORESTRY.....	57
VISUAL ARTS.....	60

HERITAGE/FIBER ARTS 61
CLOTHING CONSTRUCTION 62
FASHION REVUE..... 63
GIRLS BUYMANSHIP REVUE..... 64
BOYS BUYMANSHIP REVUE 65
FOOD AND NUTRITION 65
FOOD PRESERVATION 68
4-H BANNER – PROMOTION – BARN QUILT 70
NOTEBOOKS, PROJECT DISPLAYS, POSTERS..... 71
ENERGY MANAGEMENT 73
ENTOMOLOGY 75
GEOLOGY 80
PHOTOGRAPHY 84
STEM 88
WOODWORK 115
DOG SHOW 116
CLOVERBUDS 119
FAMILY AND CONSUMER SCIENCES JUDGING CONTEST 119
TEAM LIVESTOCK FITTING CONTEST 120
LIVESTOCK JUDGING CONTEST 121
AGRICULTURAL CHALLENGE OF CHAMPIONS..... 122

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 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 herdsmanship 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.

4-H AND YOUTH DEPARTMENT SCHEDULE

Saturday, July 22

9:00 a.m. 4-H Dog Show, Barn 1

Wednesday, July 5

Pre-entry deadline for all 4-H and FFA entries

Tuesday, July 25

8:30 a.m. Fashion Revue, Clothing Construction,
Decorated Foods Judging & Favorite Foods
Contest, Brown Center, Cowley College,
215 S. 2nd Street, Arkansas City

7:00 p.m. Public Fashion Revue, Brown Center, Ark City

Wednesday, July 26

TBA Horse Show Clean Up, Burden Arena

Saturday, July 29

8:00 a.m. 4-H Horse Show Judging, Burden Arena,
Burden

5:00 p.m. 4-H Junior Rodeo, Burden Arena, Check-In
begins at 4:00 p.m.

Monday, July 31

6:00 p.m. Fair Set up and Clean-up; Livestock pen set
up (begins at show arena), Barn 4 clean up
and set-up, Fairgrounds.

Wednesday, August 2

7:00-9:00 p.m. 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)

Thursday, August 3

8:00 a.m. - 12:00 p.m. 4-H/FFA Swine may arrive and weigh/check-in

9:00 a.m. - 10:00 a.m. 4-H/FFA Beef weighed, Beef Barn

12:00 p.m. 4-H/FFA Breeding Heifer, Bucket Calf Check-in
deadline

2:00-3:00 p.m. Dairy Cattle Check-In

4:00 p.m. - 7:00 p.m. Check in 4-H/Youth exhibits, 4-H Exhibit
Building, Barn 4; 4-H/Youth sign-up for
Conference Judging

4:30 p.m. Livestock Exhibitor Meeting, Show Arena

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.****

5:30 p.m.	Meat Goat Show, Show Arena
6:00 p.m. - 8:00 p.m.	4-H/FFA Rabbits and Poultry check-in
9:00 p.m.	Beef may tie-out
10:00 p.m.	4-H Exhibit Building closes, Barn 4

Friday, August 4

8:00 a.m.	4-H/FFA Bucket Calf and Beef judging - Show Arena (Bucket calves will show before 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 Bake Sale, Barn 4
12:30 p.m.	Pictures of 4-H Champions & Reserve Champions, Barn 4
1:00 p.m.	4-H Conference Judging – Entomology/Geology, Energy Mgt., Woodworking, STEM, 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
9:00 p.m.	Cattle may tie out
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.	4-H Shooting Sports Booth open, South Grandstands
12:30 p.m.	4-H Cloverbuds Show and Share, Barn 4
12:30 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
2:00 p.m.	4-H'ers meet with livestock superintendents to complete Livestock Destination cards.

3:00 p.m.	Superintendents meet to assemble livestock sale order, 4-H Fair Office
4:30 p.m.	Dairy Goats Judging, Show Arena
4:30 p.m.	Pictures of 4-H Champions & Reserves, Barn 4
6:30 p.m.	Livestock Fitting Contest, Show Arena
9:00 p.m.	Cattle may tie out
11:00 p.m.	4-H Exhibit Building closes, Barn 4

Sunday, August 6

10:00 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.	Ice Cream Social & Barnyard Olympics sponsored by Cowley County Farm Bureau
6:00 p.m.	Round-Robin Showmanship Contest, Show Arena
9:00 p.m.	Cattle may tie out
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, 4-H Fair Office
1:00 p.m.	4-H/FFA members set up for livestock sale, Show Arena

**Dairy Cattle, Dairy Goats, Bucket calves, Poultry, Rabbits released.
Animals must be taken home at this time, unless prior arrangements have been made with your superintendents**

3:30 p.m.	4-H/FFA members set up for Buyer's BBQ
5:00 - 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 2

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

2023 FAIR CHANGES

****All changes for the 2023 Cowley County Fair are listed in bold throughout this book.**

2. May 1-Target Deadline
 - A. Must be enrolled in 4-H with projects selected by May 1 to received a Fair Book and Fair Pre-Entry Packet in the mail. If you enroll in 4-H after this date, you will find the Fair Book posted on the [Cowley County KSRE website](#).
 - B. To be eligible to showcase in the Cowley County Fair, you must have an approved 4-H enrollment status prior to the July 5, 2023 Pre-Entry deadline.
3. Cowley County ONLY (Not state qualifying) new beginner level classes for:
 - Entomology
 - Geology
 - Rocketry
 - Poultry (barnyard mix)
 - 4-H Junior Rodeo
4. Tagging Rule Addition- One week late tagging/Animal ID grace period with \$25/animal fee.
5. Enrollment must be finalized prior to tagging. Names will be verified on enrollment list prior to tagging animal. There will be a waiver form for agent and family to sign if exhibitor comes to tagging and are not enrolled. Waiver will give exhibitor 7 days to finalize enrollment or the tagged animal will be invalid to exhibit at the Cowley County Fair.
6. May 1- Dairy Cattle, Dairy Goat, and Horse Lease/Ownership papers due. 7 day grace period with a late fee of \$25/head.
7. Change to Sheep rule #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 excluded). Belly wool is prohibited. Wool length shall not exceed .2 inch. Market Lambs with excessive or uneven wool will not be weighed in.
8. All fitting and animal show prep must be done in/around barns or wash racks.
9. Change to General Livestock Rule #7. Dairy Cattle, Dairy Goats, Bucket Calves, Poultry, and Rabbits will be released at 1:00 p.m. on Monday. Stalls/pens will need to be cleaned. These animals are

released and must be moved off the fairgrounds by 1:00 p.m. unless prior arrangements have been made with the department superintendent, for temporary accommodations.

4-H AND YOUTH DEPARTMENT GENERAL RULES

READ ALL RULES BEFORE MAKING ENTRY

Eligibility

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. 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 Market Livestock Sale.
3. 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.

Pre-Entries

1. Pre-entry for all exhibits is due online by 11:59 p.m., Wednesday, July 5, 2023. **ALL ENTRIES MUST BE MADE ONLINE WITH THE OFFICIAL ENTRY LINK THAT WAS PROVIDED FOR EACH EXHIBITOR.** For late entries to be accepted, they must be submitted within 72 hours of the published deadline and accompanied with a \$30 fee/exhibitor. Late entries will not be processed without the late fee included. Entries received after the 72-hour grace period will not be accepted. Entries may be deleted at fair check-in, but additional entries will not be accepted.
2. **Must be enrolled in 4-H, with projects selected by May 1 to receive a Fair Book and Fair Pre-Entry Packet in the mail. If you enroll in 4-H after this date, you will find the Fair Book posted on the Cowley County KSRE website. To be eligible to showcase in the Cowley County Fair, you must have an approved 4-H enrollment status prior to the July 5, 2023 Pre-Entry Deadline.**
3. Members can exhibit only in the classes or projects in which they are enrolled.
4. Every exhibit entered in competition for prizes must be produced by the Exhibitor during the current (2022-23) 4-H year.

Check-In

1. Sheep and Goats will weigh and check-in Wednesday from 7:00-9:00 p.m. All other species will check in Thursday. Cattle must weigh from 9:00 a.m.-10:00 a.m. Swine may begin weighing at 8:00 a.m. and must be weighed and in place by 12:00 p.m. Breeding Heifers and Bucket Calves must check in with the superintendent and be in place by 12:00 p.m. All livestock entries must be on grounds and in place by 5:30 p.m. Thursday, August 3.
2. 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.
3. 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 Entomology labels.
4. 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.
5. Extension Agents and Superintendents have discretion over the display of exhibits; i.e., Firearms and knives will not be on display.
6. 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.

Judging

1. 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.
2. 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.
3. 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.
4. Non-Livestock Champions and Reserve Champions will be chosen only from purple ribbon exhibits.

State Fair Qualification

1. 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.
2. All livestock and large items going to Kansas State Fair will be the responsibility of the individual.

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.

1. 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.
2. 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.
3. 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 the 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.

Check-Out

1. Removal of exhibits prior to published exhibit release times will result in forfeiture of ALL premium monies.
2. 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.

Clean-Up

1. Fair clean-up will be on Tuesday, August 8, 2023.
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 and 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.

2023 LIVESTOCK HEALTH REQUIREMENTS

State of Kansas

Kansas Department of Agriculture Division of Animal Health

1320 Research Park Drive

Manhattan, KS 66502

Phone: (785) 564-6601 Fax: (785) 564-6778

GENERAL REQUIREMENTS

1. 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.
2. Animals determined by exhibition staff to have not met listed requirements will not be permitted to exhibit.
3. Certificate Of Veterinary Inspection (Health Certificate)
 - Kansas Origin Livestock – Certificate of Veterinary Inspection is not required by Kansas Department of Agriculture – Division of

Animal Health (KDA-DAH), but can be required at the discretion of each exhibition event.

- Livestock Originating From Other States – All livestock originating outside of Kansas must meet Kansas import requirements and must have a valid Certificate of Veterinary Inspection.

CATTLE (BEEF, DAIRY) AND BISON

1. All cattle and bison must meet the General Requirements.
2. Cattle determined by exhibition staff to have lesions of ringworm, warts or infested with mange will not be permitted to exhibit.
3. Cattle Originating From Other States
 - All cattle must have official ID, and ID must be individually listed on the accompanying CVI.

GOATS

1. In addition to the General Requirements, all goats 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 registration papers for these animals available for inspection.
 - Free of any signs of sore mouth.
 - Free of clinical signs of active fungal (ringworm) infection.
2. Goats Originating From Other States
 - All goats must have official ID, and ID must be individually listed on the accompanying CVI.

HORSES

1. All horses must meet the General Requirements.
2. A comprehensive vaccination protocol is recommended, but not required by KDAH.
3. Kansas Origin Horses – A valid VS Form 10-11 showing evidence of a negative Equine Infectious Anemia (Coggins) test conducted by a state-approved laboratory within 12 months prior to exhibition is recommended, but not required by KDAH.
4. Horses Originating From Other States must be accompanied by a valid VS Form 10-11 showing evidence of a negative Equine Infectious Anemia (Coggins) test conducted by a state-approved laboratory within 12 months prior to entry into Kansas. Foals six months of age and younger, accompanying their EIA-negative dams, are exempt from EIA test requirements.

POULTRY

1. All poultry must meet the General Requirements.
2. Kansas Origin Poultry

- Kansas continues its designation as a Pullorum-Typhoid (P-T) Clean state.
 - All poultry (except waterfowl) are required to show proof of being P-T clean by one of the following:
 - A. Originate from a certified U.S. Pullorum-Typhoid clean flock
 - B. Test negative at check-in of the county fair when the county has been designated by KDA-DAH for surveillance. Routine surveillance testing will be performed for each county fair a minimum of once every 5 years. Cowley Co. will test in 2025.**
3. Poultry Originating From Other States –
- A. All poultry entering Kansas, except waterfowl, must show proof that they are pullorum – typhoid clean by one of the following methods:
 - Originate from a certified U.S. Pullorum-Typhoid clean flock
 - **Test negative at check-in of the county fair when the county has been designated by KDA-DAH for surveillance. Routine surveillance testing will be performed for each county fair a minimum of once every 5 years. Cowley Co. will test in 2025.**

Additionally, 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.

RABBITS

1. All rabbits must meet the General Requirements.
2. Rabbits Originating from other States –
 - All rabbits originating outside of Kansas must meet Kansas import requirements and must have a valid Certificate of Veterinary Inspection.

SHEEP

1. In addition to the General Requirements, all sheep must be:
 - Identified with a registered tattoo or an official USDA premises ID tag (Scrapie tag.)
 - Free of any signs of sore mouth.
 - Free of clinical signs of active fungal (ringworm) infection, including club lamb fungus.
2. Sheep Originating From Other States
 - All sheep must have official ID, and ID must be individually listed on the accompanying CVI.

SWINE

1. All swine must meet the General Requirements.
2. Swine Originating From Other States must also meet one of the following:
 - All swine must have official ID, and ID must be individually listed on the accompanying CVI.
 - All swine must obtain an import permit number prior to movement into Kansas

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. **One week late tagging/animal ID grace period with \$25/animal fee.**
4. **Enrollment must be finalized prior to tagging. Names will be verified on enrollment list prior to tagging animal. There will be a waiver form for agent and family to sign if exhibitor comes to tagging and are not enrolled. Waiver will give exhibitor 7 days to finalize enrolment or the tagged animal will be invalid to exhibit at the Cowley County Fair.**
5. Pre-entry for all exhibits is due online by 11:59 p.m., Wednesday, July 5, 2023. ALL ENTRIES MUST BE MADE ONLINE WITH THE OFFICIAL ENTRY LINK THAT WAS PROVIDED FOR EACH EXHIBITOR. Approved 4-H enrollment status is required for entries to be accepted. For late entries to be accepted, they must be submitted within 72 hours of the published deadline and accompanied with a \$30 fee/exhibitor. Late entries will not be processed without late fee included. Entries received after the 72-hour grace period will not be accepted. Entries may be deleted at fair check-in, but additional entries will not be accepted.
6. Exhibitors are limited to exhibiting a total of 4 head in each specie. Exception: Beef and Dairy Cattle may exhibit 5 head including Dairy Cow and Breeding Beef Bull or Beef Cow/Calf pair. However, the Cow or Cow/Calf pairs will not stay at the fair due to space restrictions.
7. 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.

8. Weigh-in for Beef, Swine, Meat Goats and Sheep will be as follows:
Meat Goats and Sheep: begin at 7:00 p.m. Wednesday-Sheep/Goat Barn
Beef: 9:00 a.m. - 10:00 a.m. Thursday - Beef Barn
Breeding Beef and Bucket Calves must check in with superintendent by noon.
Swine: may begin as swine arrive, no earlier than 8:00 a.m. Thursday- Swine Barn
9. 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. Exception: Dairy Cattle, Dairy Goats, Bucket Calves, Poultry and Rabbits will be released at 1:00 p.m. **These animals must be taken home and stalls/pens cleaned, unless otherwise arranged with your superintendent.**
10. Exhibitors will be awarded premium money only one time on each animal entered.
11. 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.
12. 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.
13. 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.
14. Exhibitors must show their own animal in showmanship. Showing another family member's animal in showmanship will not be allowed.
15. 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.
16. 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. 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.

17. Fair superintendents reserve the right to combine and divide classes as they see fit.
18. Changes to show classes will not be allowed within 2 hours of the show beginning.
19. All blankets must be removed from livestock during the visiting hours at the fair after animals have been shown.
20. No straw allowed. Bedding will be furnished by Fair Association.
21. 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.
22. 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.
23. 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.
24. EXHIBITORS REMOVING ENTRIES PRIOR TO OFFICIAL RELEASE TIME WILL FORFEIT ALL PREMIUM MONEY.
25. All livestock will be groomed, fitted and cared for show by the exhibitor. Cooperation between exhibitors and family members is encouraged. ABSOLUTELY no professional groomers.
26. All fitting and animal show prep must be done in/around barns or wash racks.
27. Minimum weight must be reached in order to be eligible for the Market Livestock Sale. Minimum weights are as follows:
 - a. Market Hogs: 230 to 290 pounds
 - b. Market Lambs: 90 Pounds
 - c. Meat Goats: 50 pounds
 - d. Market Steers and Market Heifers: 1,050 pounds.
28. There will be no re-weigh for livestock. The first weight will be the official weight. NO EXCEPTIONS!
29. Each species' show schedule will be at the discretion of the superintendent(s).
30. 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.

31. 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.
32. 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. **The Round Robin 2023 preference order for 3rd and 4th place showman will be Dairy Cattle, Swine, Sheep, Beef, Meat Goat, Horse, and Dairy Goat. The order will rotate annually.**
33. Bred and Owned classes are offered in the Beef, Sheep, Swine, Meat Goat, Sheep, Dairy Cattle and Dairy Goat Divisions. 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, as well as during the gestation period, and after the birth of the animal.
34. **Ownership deadline for all breeding livestock and Dairy Cattle/Goats is May 1 of the current 4-H year.**
35. All male livestock (beef, sheep, swine, meat goats) must be castrated at least 30 days prior to the fair and must be healed completely.
36. 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

37. 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.
38. 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.
39. 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.
40. At the discretion of the superintendents, livestock will be used for the Livestock Judging Contest.
41. Livestock exhibitors must complete the wholesome meat statement included with online pre-entry.
42. 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, 2023 - 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 2023 will be: Beef, Swine, Meat Goat, Sheep
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. Exceptions may be considered for a substitute sale exhibitor with prior written approval prior to fair pre-entry deadline of a majority of the Market Livestock Sale Superintendents and the Cowley County Extension Agents for the following reasons: An official State or National 4-H/ FFA/Agricultural Industry event whereby the exhibitor is a documented officer or committee person.
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 a "Livestock Destination" card for all livestock species eligible for the market livestock sale. This card must be turned in to the species superintendent by 2:00 p.m. 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/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 90 pounds
 - Rabbit meat pen- 3-5 pounds each

- Market goats- minimum of 50 pounds.
13. The Market Livestock Sale is terminal.

BEEF CATTLE

Superintendents: Kyle and Angie Ruyle

1. ALL Market Steers and Market Heifers shown at the Cowley County Fair must have been owned, weighed and ear tagged at the official spring weigh-in March 5, 2023. The minimum weight for Market Steers and Market Heifers is 1,050 pounds.
2. All beef and bucket calves must be checked/weighed-in and in place by 12:00 p.m. Thursday, August 3, 2023. 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 13.
4. When animals are not being fed, watered, or in cases of extreme heat, cattle shall remain at the barns.
5. 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 May 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 tagged by May 1 of the current year.
6. Each 4-H Club/FFA chapter will stall their beef cattle together. Stall assignments will be made by the superintendents.
7. 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.
8. 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.

DIVISION – BEEF SHOWMANSHIP

Class 0001 - Senior Showmanship (14-18).

Class 0002 - Intermediate Showmanship (10-13).

Class 0003 - Junior Showmanship (7-9).

For more showmanship information, see Livestock General Rules, #31.

DIVISION – MARKET BEEF

The divisions for judging will be based on weight and set at weigh-in. Animals in each division will be divided by weight to make uniform classes and decisions on the division of classes will be made by the superintendents. Market Beef weighing under 1,050 pounds will be reclassified as “Feeder Cattle”, will not be eligible for Grand/Reserve Grand Champion and will be ineligible for the Market Livestock Sale.

Class 0004 - Market Beef

Class 0005 - Bred and Owned Market Beef (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – BREEDING BEEF

Breeding Heifers must be born after September 1, 2021. Breeds may include: Angus, Charolais, Chianina, Hereford, Limousin, Maine Anjou, Simmental, Shorthorn, AOB and Commercial. Classes will be formed after check-in by breed and birth date. Superintendents may alter or combine classes as they see fit.

Breeds listed will be shown in separate classes if numbers warrant.

Class 0006 - Breeding Heifers

Class 0007 - Bred and Owned Heifers (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – COW CALF

1. Cow-calf pairs may arrive the day of the show (Friday, August 4) and will be released following the show.
2. Cow-calf pairs are not eligible for Champion Heifer and cannot be shown in another class if shown as a cow-calf pair. At the superintendent discretion cow may be used in showmanship.
3. Calf must be most recent natural calf born after January 1, 2023.
4. Cow-calf pair will be considered as a pair when placed by the judge.
5. Pairs must be shown haltered.

Class 0008 - Cow-calf pair (please note breed on entry)

DIVISION – BREEDING BULL

1. **Bulls must arrive the day of the show. (Friday, August 4, 2023)**
2. **Bulls will be released from the fairgrounds directly after the show.**
3. **Upon arrival, there will be a Beef Superintendent, and a Fair Board member present for unloading. It is at their discretion to determine if the animal is safe to continue stalling and to show.**
4. **Bulls will be allowed to stall at the participant's designated area.**

5. **Bulls may only be shown in the Breeding Bull Division.**
6. **Bulls over 24 months of age will be ineligible to show.**
7. **All bulls 12 months or older must have nose control or nose clip.**
8. **Bulls are to only be allowed in the East and West outside portions of the beef barn, and are at NO TIME ALLOWED in the middle, inside portion of the beef barn.**
9. **The must be an adult present with the participant at all times that the bull is not stalled, with the exception of entering/exiting the show ring.**
10. **An adult will escort from stalling to the show arena and again back to stalling.**

Class 0009 – Breeding Bulls (note breed and age on entry)

DIVISION – SECOND YEAR BUCKET CALF

1. The purpose of the Second Year Bucket Calf classes are to allow exhibitors to show their bucket calf project from the previous year against other animals in their peer group.
2. Second Year Bucket Calves must have been exhibited the previous year as a Bucket Calf by the same 4-H member.
3. Calves must be identified by a 4-H ear tag.
4. Steers must weigh-in at the county weigh-in designated by the Extension Office.
5. Calves will be shown at halter with a show stick.
6. Calves may be clipped but will follow “No Fit” rules.
7. 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 1,050 pounds.
8. Second Year Bucket Calf Division winners must reach minimum weight and receive a blue ribbon to be eligible to compete in the Grand Drive.

Class 0010 - Second Year Bucket Calf Steers

Class 0011 - Second Year Bucket Calf Heifers

Class 0012 - Second Year Bucket Calf Market Heifers

DIVISION – BEEF CATTLE GROUP EXHIBIT

Class 0013 - 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.

MARKET BEEF RATE OF GAIN CONTEST

1. 4-H/FFA Market Steers must have been weighed on March 5, 2023 at the Winfield Livestock Auction (beginning weight).

2. 4-H/FFA Market Steers must weigh on Thursday, August 3, 2022, at the Cowley County Fairgrounds (ending weight) and must be exhibited at the 2023 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/144 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 – BUCKET CALF

Superintendent: Angie Krepps

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 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.
 - Calves are shown on a halter.
 - The use of show sticks while showing is permitted and is at the discretion of the exhibitor.
6. Bucket calf exhibitors are not eligible for Champion Showman.
7. Classes will be divided at the discretion of the superintendent.
8. Bucket calves are to be at least 60 days of age to be shown.
9. Bucket calves must be checked/weighed-in and in place by 12:00 p.m. Thursday, August 3, 2023.
10. Bucket calves will be released on Monday, August 7, 2023 at 1:00 p.m. EXHIBITORS MUST MAKE ARRANGEMENTS FOR CHECK-OUT WITH THE SUPERINTENDENT MONDAY AFTERNOON AND SIGN-IN WITH THE SUPERINTENDENT ON TUESDAY FOR FAIR CLEANUP.

Class 0014 - Junior Bucket Calf (Exhibitor age 7-9)

Class 0015 - Intermediate Bucket Calf (Exhibitor 10-13)

BEEF PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon

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

SWINE

Swine Superintendents: Russ & Audree Gottlob

1. Pigs farrowed before December 1, 2022, are not eligible to compete.
2. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 13.
3. Pens will be assigned by the swine superintendents.
4. A minimum of five (5) animals must be entered to form a breed class. Fewer than five animals will be entered in Other Purebred. If fewer than 5 entered in other purebred class animals will be entered in crossbred class.
5. Market Swine will be divided into classes by breed and weight. Breeding Gilts will be divided into classes by breed. Classes will be set at the discretion of Swine Superintendents.
6. Snaring of swine is prohibited.
7. During the swine show, exhibitors will be limited to one helper in the holding area.

DIVISION – SWINE SHOWMANSHIP

Class 0020 - Senior Showmanship (14-18).

Class 0021 - Intermediate Showmanship (10-13).

Class 0022 - Junior Showmanship (7-9).

For more showmanship information, see Livestock General Rules, #31.

DIVISION – MARKET HOG

Breeds may include Berkshire, Duroc, Hampshire, Chester White, Spots and Poland, Yorkshire, Other Purebred, Crossbred. Hogs weighing under 230 pounds will be classified to “Feeder Pigs”. Hogs weighing over 290 pounds will be classified at “Overweight Pigs”. Overweight and Feeder pigs will be ineligible for Grand/Reserve Grand Champion and the Market Livestock Sale.

Class 0023 - Market Hogs

Class 0024 - Bred and Owned Market Hogs (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – BREEDING GILTS

Breeds may include Berkshire, Duroc, Hampshire, Chester White, Spots and Poland, Yorkshire, Other Purebred, Crossbred.

Class 0025 - Breeding Gilts

Class 0026 - Bred and Owned Gilts (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

SWINE PREMIUMS

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

SHEEP

Superintendents: Greg and Tami Norwood

1. All sheep must have a Scrapie tag, including wethers.
2. Market Lambs will weigh from 7:00 p.m.-9:00 pm. Wednesday. All livestock must be vet checked, on grounds and in place by 10:00 a.m. Thursday, August 3, 2023. 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 7:00 p.m. to 9:00 p.m.
3. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 13.
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 show in the following divisions broken by weight:
 - 4 Black Face Divisions
 - 1 White Face Division
 - 1 Hair Sheep Division
7. Divisions must constitute 4 sheep to show as a division. If not they will be placed into the Black Face Division.
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 excluded). Belly wool is prohibited. 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 division will be brought back for selection of the Grand Champion and Reserve 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.

DIVISION – SHEEP SHOWMANSHIP

Class 0030 - Senior Showmanship (14-18)

Class 0031 - Intermediate Showmanship (10-13)

Class 0032 - Junior Showmanship (7-9)

For more showmanship information, see Livestock General Rules, #31.

DIVISION – MARKET LAMB

Market Lambs will show in the following divisions broken by weight: Blackface, White Face, Hair Sheep. Lambs weighing less than 90 pounds will be classified as “Feeder Lambs” and will be ineligible for Grand/Reserve Grand Champion and the Market Livestock Sale.

Class 0033 - Market Lambs

Class 0034 - Bred and Owned Market Lamb ((An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – BREEDING EWES

Breeds may include: Dorset, Hampshire, Suffolk, AOB and Commercial. Registration papers must accompany registered ewes.

Class 0035 - Ewe Lamb (Born September 1, 2022 or later)

Class 0036 - Yearling Ewe (Born Sept 1, 2021 to August 31, 2022)

Class 0037 - Bred and Owned Ewe Lamb (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – GROUP SHEEP EXHIBIT

Class 0038 - 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.

MARKET LAMB RATE OF GAIN CONTEST

1. 4-H/FFA Market Lambs must have been weighed on April 23 or 25 at the official tagging days (beginning weight). April 24th will be used for calculating purposes.
2. 4-H/FFA Market Lambs must weigh on Wednesday, August 2, 2023 at the Cowley County Fairgrounds (ending weight) and must be exhibited at the 2023 Cowley County Fair.
3. Rate of gain will be calculated on all lambs which meet criteria 1 - 2 as follows: Average Daily Gain (ADG) = Ending weight - Beginning weight/91 days (April 24-August 2).
4. 4-H/FFA Market Lambs which meet requirements 1 - 3 will be ranked (highest to lowest) according to ADG.

SHEEP PREMIUMS

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

DAIRY CATTLE

Superintendents: Becky Henderson, Andy Murphy, Scott Murphy

1. All livestock must be on grounds and in place by 5:30 p.m. Thursday, August 3, 2023.
2. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 13.
3. Exhibitor must have owned or leased the dairy animal for a minimum of 100 days before the county fair. **All lease, registration and/or transfer papers must be made in the name of the exhibitor and dated no later than May 1 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. Lactating Dairy Cows are allowed to have hay in their stall.
8. 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.

DIVISION – DAIRY CATTLE SHOWMANSHIP

Class 0040 - Senior Showmanship (14-18)

Class 0041 - Intermediate Showmanship (10-13)

Class 0042 - Junior Showmanship (7-9)

For more showmanship information, see Livestock General Rules, #31.

DIVISION – DAIRY CATTLE

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

Class 0043 - Junior Calf born March 1 - June 30 of the current year

Class 0044 - Intermediate Calf born December 1, 2022 - February 28, 2023

Class 0045 - Senior Calf born September 1 - November 30, 2022

Class 0046 - Summer Yearling born June 1 - August 31, 2022

Class 0047 - Junior Yearling born March 1 - May 31, 2022

Class 0048 - Winter Yearling born December 1, 2021 - February 28, 2022

Class 0049 - Senior Yearling born September 1 - November 30, 2021

Class 0050 - Dry Cow, any age

Class 0051 - Junior Two Year Old born March 1 - August 31, 2021

Class 0052 - Senior Two Year Old born September 1, 2020- February 28, 2021

Class 0053 - Junior Three Year Old born March 1 - August 31, 2020

Class 0054 - Senior Three Year Old born September 1, 2019 - February 29, 2020

Class 0055 - Four Year Old Cow born September 1, 2018 - August 31, 2019

Class 0056 - Five Year Old Cow born September 1, 2017 - August 31, 2018

Class 0057 - Aged Cow born before September 1, 2017

Class 0058 - Bred and Owned

DIVISION – GROUP DAIRY EXHIBIT

Class 0059 - 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

Superintendent: Angie Krepps
Horse Show
Saturday, July 29, 8:00 a.m.
Entry Time Begins – 7:00 a.m.
Burden Arena, Burden, KS

1. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 13.
2. 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 at www.kansas4-h.org.
3. 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.
4. 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.
5. Contestant number to be worn on back of contestant for in-hand classes and on both sides of the saddle pad for riding classes.
6. Exhibitors will be limited to 2 horses.

7. 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.
8. 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.
9. 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.
10. The judge's decision is final in all halter, showmanship, and performance classes.
11. No stallions are permitted to be shown.

DIVISION – HORSE SHOWMANSHIP

Class 0060 - Senior Showmanship (14-18)

Class 0061- Intermediate Showmanship (10-13)

Class 0062 - Junior Showmanship (7-9)

Class 0063 - Horseless Horse Showmanship

For more showmanship information, see Livestock General Rules, #31.

DIVISION – HORSE SHOW, 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 0064 - Stock Type Geldings (Any Age)

Class 0065 - Non-Stock Type, Miniature and Pony Geldings (Any Age)

Class 0066 - Stock Type Mares (Any Age)

Class 0067 - Non-Stock Type, Miniature and Pony Mares (Any Age)

DIVISION – HORSE SHOW, 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. Divisions will be selected with online entry.

Class 0068 - English Pleasure

Class 0069 - English Equitation

Class 0070 - Non-Stock/Pony Western Pleasure

Class 0071 - Walk-Trot Western Pleasure (Exhibitor may not compete in any other Western Pleasure class on the same horse)

Class 0072 - Western Pleasure

Class 0073 - Ranch Horse Western Pleasure

Class 0074 - Walk/Trot Western Horsemanship

Class 0075 - Western Horsemanship

Class 0076 - Trail

Class 0077 - Reining

Class 0078 - Pole Bending

Class 0079 - Barrel Racing

HIGH POINT HORSE 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 0060-0063)	\$5.00
Red (Except Classes 0060-0063)	\$4.00
White (Except Classes 0060-0063)	\$3.00

4-H JUNIOR RODEO
Superintendent: Angie Krepps
July 29, 2023
Check in 4:00 p.m.
Grand Entry 5:00 p.m.
Burden Rodeo Arena

EVENT REGISTRATION

1. Rodeo will BEGIN promptly at 5:00p.m. Be ready to start the events by this time.
2. Please arrive early enough to complete check-in/confirming entries. This should be completed 30 minutes prior to the start time listed above.
3. Pre-Entry is required with normal fair pre-entries.

DRESS CODE- WILL BE STRICTLY ENFORCED

1. Long sleeve collared shirt, long pants, boots, western hat (optional).
2. Absolutely NO CAPS.

GENERAL RULES & REGULATIONS

1. NOT RESPONSIBLE FOR ACCIDENTS
2. Rodeo is limited to Cowley County 4-Hers only.
3. 4-Hers must pre-enter with the Extension Office by July 5, 2023.
4. All participants must wear their contestant number to enter the arena
5. Horse ID is required of each horse participating in the rodeo.
6. Horse ID's will be verified prior to the start of the rodeo. Any horse that doesn't have an properly signed and approved Horse ID will not be permitted to participate.
7. No contestant will be awarded a prize until the official entry form has been verified and approved by agent.
8. Good conduct and sportsmanship is expected of all contestants, parents/guardians, and spectators.
9. Failure to comply with the Rules and Regulations will be cause for immediate disqualification.
10. No running of horses outside the arena.
11. No double riding allowed.
12. No leading by another rider.
13. No saddle restraints or seatbelts, unless proven to be medically necessary.
14. Participants must be ready at the gate when their name is called. Name is called 3 times – if participant fails to arrive, they forfeit the entry with no participation or points earned.
15. All timed events will be flagged and not ran by a timer.

ALL HORSEBACK PARTICIPANTS ARE EXPECTED TO PARTICIPATE IN THE GRAND ENTRANCE

Class 0080 – Barrel Racing

Barrels are to be run in the clover pattern, starting at either the left or right barrel. The participants pattern will be considered broken if they circle the barrel in the wrong direction, return beyond the start line, or break forward motion. A 5 second penalty will be assessed for each barrel knocked over during the run. Any contestant crossing the finish line before a completed pattern will receive a no time. The arena gate must be closed immediately after contestant enters the arena, and remain closed until the pattern is complete and contestant has their horse under control.

Class 0081 – Flag Racing

Participant will enter the arena, circle the barrel (in either direction), remove the flag from the bucket, and return back over the start/finish line. The participants pattern will be considered broken if they drop the flag, knock over the barrel, knock over the bucket, do not continue around the barrel in the initial direction, hit their horse with the flag, or cross the start/finish line without completing the flag exchange, Any contestant crossing the finish line before the pattern is complete will receive a no time. The arena gate must be closed immediately after contestant enters the arena, and remain closed until the pattern is complete and contestant has their horse under control.

Class 0082 – Pole Bending

Participant will run a pattern around 6 poles, placed 21 feet apart. The first pole is placed 21 feet from the start/finish line. Poles are to be completed in a weaving pattern. The participant is to go straight down to and around the sixth pole, turn back and weave in and out of the poles until the first pole, turn back and weave in and out to the sixth pole, then return back in a straight line to the start/finish line. The participant will start either to the right or left of the first pole and run the remainder of the pattern accordingly. A 5 second penalty will be assessed for each pole that is tipped over. The participants pattern will be considered broken if the weaving pattern is broken (participant must continue forward motion with turns in the direction of the next pole), or if the participant crosses the start/finish line without fully completing the pattern. Any contestant crossing the finish line before a completed pattern will receive a no time. The arena gate

must be closed immediately after contestant enters the arena and remained closed until the pattern is completed and contestant has their horse under control.

Class 0083 – Goat Roping

Participants must cross the start line mounted on their horse, proceed to the goat, dismount their horse, flank the goat and tie three legs, then place their hands in the air to signal time. The participants run will be considered broken if their tie does not hold for six (6) seconds. A ten (10) second penalty will be assessed if the horse crosses the tie line on the goat. Volunteers may be near the goat to help younger participants off their horse if needed, and to catch the horse. The goat is to be held until the contestant crosses the starting line. Goat must be thrown by hand. If the goat is down when the contestant reaches it, they must lift the goat to its feet and throw it down. If the contestants hand is on the goat when it falls, it is considered thrown by hand.

1. Contestant must cross and tie any three (3) legs.
2. Boys will string and tie the goat the same as a calf. Boys must use a piggin' string. No other material permitted.
3. Girls must use a rope, piggin' string or leather thong. No other materials permitted. One or more wraps and a ½ hitch, hooley or knot is required.
4. After tying the goat, the contestant will need to stand back at least three (3) feet from the goat before the judge will begin time for six (6) seconds.
5. The goat must stay tied for six (6) seconds.
6. A ten (10) second penalty will be given if the contestant's horse runs over the rope or the goat.
7. The contestants receives a no time if they touch the goat or strip after calling for time.

Class 0084 - Dummy Sled Breakaway Roping

1. No barrier; calf has to pass a barrel before time starts.
2. Can carry 2 loops.
3. Ninety (90) second time limit.
4. Rope must have flag on end of it so can easily see when it breaks free.
5. String will be provided for tying the rope to the saddle horn.
6. Legal catch is considered a catch around the neck
7. Ten (10) second penalty if calf/dummy does not pass barrel before contestant leaves the box.

Class 0085 – Dummy Roping – ALL Ages

- 1. Properties: Bale of hay with a calf head attached.**
- 2. A piece of wood, with point designations clearly marked, will be placed behind the bale of hay.**
- 3. Each contestant will be allowed 5 attempts, from the point station they choose. There will be 4 point stations:**
 - 1 foot back = 1 point**
 - 3 feet back = 3 points**
 - 5 feet back = 5 points**
 - 7 feet back = 7 points**
- 4. Contestant must remain on the wood. If the contestant throws a loop from the wrong side or steps over the line, that loops will not count for points.**
- 5. Contestant must have and maintain control of rope when thrown. Contestant must still have ahold of rope at end of throw, if not that loop will not count for points.**
- 6. No fishing is allowed. Contestant may pull slack straight back but not flip the rope or push it forward. The judge's determination of this rule is final.**

Class 0086 – Breakaway Roping

- 1. No barrier; calf has to pass a barrel before time starts.**
- 2. Ten (10) second penalty if calf does not pass barrel before contestant leaves the box.**
- 3. The horse must break the plane of the barrier box before the roper may rope the animal. Roping the animal without releasing the loop from the hand is not permitted.**
- 4. If the animal leaves the arena, the flagman will stop time. The roper will get the calf back lap and tap.**
- 5. The calf pusher cannot push the animal past the end of the chute.**
- 6. Panels may be used to haze cattle in roping events.**
- 7. All calves will be chute run, no draws.**
- 8. Sixty (60) second time limit.**
- 9. Must use string provided by the event. It will be available at the roping box prior to the event.**
- 10. The end of the rope needs to be tied to the saddle horn, with a flag or cloth indicating the end of the rope.**
- 11. Calf must look through the loop falling over the head then catch as catch can.**
- 12. Calf must break string, no time if the contestant breaks the string.**
- 13. Contestants will receive a no time if they break the rope from the saddle horn by hand. If the rope should dally around the horn, the contestant may ride forward to un-**

dally the rope, and then stop horse to make the rope break away from the saddle horn.

14. Contestants may rebuild for a second loop. If at any time the rope drops to the ground, this is considered a dead rope and contestant will receive a no time.
15. Time will be flagged when rope breaks from saddle horn.

Class 0087 – Steer Breakaway

1. Sixty (60) second time limit.
2. Must use string provided by the event. It will be available at the roping box prior to the event.
3. The rope needs to be tied to the saddle horn at the end of the rope with a flag or cloth at the end of the rope.
4. No barrier; Steer has to pass a barrel before time starts.
5. Ten (10) second penalty if steer does not pass barrel before contestant leaves the box.
6. The roper is to come from the heading box.
7. One (1) loop limit, three (3) legal head catches.
 - Both horns.
 - Half head, includes one horn and nose.
 - Around the neck.
8. Illegal catches that result in a no time are:
 - If the loop crosses itself in the head catch.
 - If Hondo passes over one horn and the loop is over the other.
 - A front leg in the head loop.
9. Contestants will receive a no time if they break the rope from the saddle horn by hand. If the rope should dally around the horn, the contestant may ride forward to undally the rope, and then stop horse to make the rope break away from saddle horn.
 - Closed catch gate for contestants 7-14 years old.
 - Open catch gate for contestants 15-18 years old.
10. Only one (1) loop, if at any time a rope drops to the ground, this is considered a dead rope and contestant will receive a no time.
11. Time will be flagged when rope breaks from the saddle horn.

POINTS

- First Place = 10 points
- Second Place = 9 points
- Third Place = 8 points
- Fourth Place = 7 points
- Fifth Place = 6 points
- Sixth Place = 5 points
- Seventh Place = 4 points
- Eighth Place = 3 points
- Ninth Place = 2 points
- Tenth Place = 1 point

1. Every contestant will receive one (1) point for participation for completing an event. This point will be added to the places earned.

RODEO AWARDS

- All Around Senior, 14-19 years – Cowboy
- All Around Senior, 14-19 years – Cowgirl
- All Around Intermediate, 10-13 years – Cowboy
- All Around Intermediate, 10-13 – Cowgirl
- All Around Junior, 7-9 years – Cowboy
- All Around Junior, 7-9 years – Cowgirl

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

GRAND CHAMPION SHOWMAN/ROUND ROBIN CONTEST

Superintendents: Tina Bailey and Carol Mackey

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. **To be eligible for the Round Robin, a participant must place 1st, 2nd, 3rd or 4th in a Division. Each Senior Division is required to place a 4th Place Finisher.**
3. Participants must show the same animal which qualified them for this event.
4. **Participants who qualify in multiple species will be allowed to choose which one of their Champion or Reserve Champion Showman animals they want to show in the Round Robin.**

Example; If a showman won Champion Meat Goat Showman and Reserve Champion Beef Showman. They qualified in the first specie shown (Meat Goat) but they may choose to show their own beef calf in Round Robin and draw for a Meat Goat to walk in the Meat Goat round. Participants who have multiple species are not allowed to use their 3rd or 4th place species.

5. 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 are deemed as the automatic qualifiers in the division.** They may not qualify in any other species for Grand Champion Showman.
6. **Exhibitors may show in subsequent showmanship classes, but the automatic qualifiers will be based on the first species they qualify in.** The remaining open spots in the Round Robin will be filled from eligible 3rd Place Showman at the conclusion of the last show of the fair. If there are still openings after all eligible 3rd Place finishers, then 4th Place finishers will be inserted using the same procedure and preference order. The order used will be based on the Preference Order.
7. **The 2023 preference order for 3rd and 4th place showman will be Dairy Cattle, Swine, Sheep, Beef, Meat Goat, Horse, Dairy Goat.** The preference order will rotate annually. 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.
8. 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.
9. Participants will draw for the animal they will show in each species **except as noted in Rule 2 above, and for 3rd or 4th place qualifiers based on Rule 3. 3rd and 4th place species qualifiers from Rule 3 will be allowed to use their animal from the species shown when they qualified for Round Robin competition.**
10. Previous winners of the Grand Champion Showman award at the fair are eligible to compete.

DAIRY GOATS

Superintendent: Monica Rupp

1. All registered Dairy Goats must have a legible tattoo. Grade Dairy Goats must have a Scrapie 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 entered in the correct class.
2. The veterinary inspection will be held from 7:00-9:00 p.m. Wednesday, August 2. 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 13.
4. Exhibitors will be limited to a total of four Dairy Goats
5. Registration papers or stamped duplicates will be required for all animals in the registered or recorded grade classes. Papers must be in the sole name of the exhibitor by May 1 of the current 4-H year if the animal was given to or purchased by the exhibitor. If the animal was born to an animal the exhibitor owned and registered, then ownership would start the day the animal was born and any date of registration up to the show is acceptable as long as registration papers are available at check-in. For those that choose to lease, a doe must be leased by May 1 and a lease form must be turned in by May 1 to the Extension Office showing dates of lease. Registration papers are also required to be shown at check-in for leased registered goats. Grade goats must have a breeding affidavit filled out and turned in to the Extension Office by May 1 as well as provide a copy at check-in.
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. Dairy Goats may have hay in their pens after Friday morning. The hay must be in a hay bag and kept away from Meat Goat and Sheep pens. NO HAY NETS.
9. Open storage of hay and grain in tack pens is not 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.

11. All dairy does must be disbudded or dehorned.

DIVISION – 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 0090 - Production Contest (Any senior Dairy Goat with some milk may enter this contest.)

DIVISION – DAIRY GOAT SHOWMANSHIP

Class 0091 - Senior Showmanship (14-18)

Class 0092 - Intermediate Showmanship (10-13)

Class 0093 - Junior Showmanship (7-9 years of age)

For more showmanship information, see Livestock General Rules, #31.

DIVISION – DOE CLASSES

Registered breeds will show together; Grade/Recorded Grade will show 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 0094 - Junior Doe, birth and under 5 months

Class 0095 - Junior Doe, 5 months and under 8 months (not in milk and not previously freshened)

Class 0096 - Junior Doe, 8 months and under 12 months (not in milk and not previously freshened)

Class 0097 - Junior Doe, 12 months and under 24 months (not in milk and not previously freshened)

Class 0098 - Senior Doe, up to 24 months (in milk or previously freshened)

Class 0099 - Senior Doe, 24 months and older (in milk or previously freshened)

Class 0100 - Get of Sire Trio (3 goats that have the same sire. Can be different ages. The 4-H'er entering must own at least one of the goats. Other goats may have different owners.)

Class 0101 - Mother/Daughter (May be any age. At least one goat must be owned by the exhibitor.)

Class 0102 - Bred and Owned (An animal that must be the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DAIRY GOAT PREMIUMS

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

MEAT GOATS

Superintendents: Lacy Colquhoun and Kelsey Nordyke

1. All goats must have a Scrapie tag, including wethers.
2. Health Requirements: Please refer to Kansas Animal Health Department Guidelines, page 13.
3. The veterinary inspection will be held from 7:00-9:00 p.m. Wednesday, August 2. 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.
4. Each exhibitor is limited to four (4) head for the Cowley County Fair.
5. Market Goats will be shown by weight in weight divisions. Divisions will be determined by show management at weigh-in.
6. Market goats must still have their milk teeth. Milk teeth are the bottom two center teeth.
7. Market Goats must be shown shorn (no more than 3/8 inch hair)
8. Horns: Wethers are suggested to be dehorned. If horns are present on does or wethers, they must be tipped and rounded.
9. Market Goats may be braced, but must be shown with all four feet on the ground. Exhibitors may use a collar, with a short lead or a halter when showing. Medium (3 mm) or smaller pinch collars will be allowed.
10. Market Goats will be permitted to sell in the Market Livestock Sale if minimum weight (50 pounds) is met.
11. Breeding Meat Doe guidelines must be meat type breed (Boer, Spanish, Moyotonic, Pygmy, Kiko, San Clemente). May be shown with or without horns.
12. No bucks will be allowed to show.
13. No feeding of goats will be allowed in pens. This includes hay and grain.
14. 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.

DIVISION – MEAT GOAT SHOWMANSHIP

Class 0110 - Senior Showmanship (14-18)

Class 0111 - Intermediate Showmanship (10-13)

Class 0112 - Junior Showmanship (7-9)

For more showmanship information, see Livestock General Rules, #31.

DIVISION – MARKET MEAT GOATS

Goats weighing under 50 pounds will be classified as “Feeder Goats” and will be ineligible for Grand/Reserve Grand Champion and ineligible to sell in the Market Livestock Sale.

Class 0113 - Meat Goat

Class 0114 - Bred and Owned Meat Goat (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

DIVISION – BREEDING MEAT DOES

Class 0115 - Breeding Does (Born September 1, 2022 or later)

Class 0116 - Breeding Yearlings (Born Sept 1, 2021 to August 31, 2022)

Class 0117 - Bred and Owned Meat Doe (An animal that is the offspring of a dam owned by the 4-H'er prior to breeding, during gestation and after birth of the animal.)

MARKET MEAT GOAT RATE OF GAIN CONTEST

1. 4-H/FFA Market Meat Goats must have been weighed on April 23 or 25 at the official tagging days (beginning weight).
2. 4-H/FFA Market Meat Goats must weigh on Wednesday, August 2, 2023 at the Cowley County Fairgrounds (ending weight) and must be exhibited at the 2023 Cowley County Fair.
3. Rate of gain will be calculated on all goats which meet criteria 1 - 2 as follows: Average Daily Gain (ADG) = Ending weight - Beginning weight/91 days (April 24-August 2).
4. 4-H/FFA Market Meat Goats which meet requirements 1 - 3 will be ranked (highest to lowest) according to ADG.

MEAT GOAT PREMIUMS

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

POULTRY/PIGEONS

Superintendent: Kari Garison

1. Variety of bird must be indicated on pre-entry.
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 6:00 p.m. – 8:00 p.m.
6. All pigeons must be single entries.
7. Members may not enter more than two pigeons per Class regardless of breed. Each member is limited to eight birds.
8. 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.
9. Judging will be by comparison only using latest standards of the National Pigeon Association.
10. Classes will be offered for all standard breeds approved by the National Pigeon Association. Be sure to designate breed on entry form.

DIVISION – POULTRY CLASSES

- Class 0120 - Barnyard Mix, Cowley County Fair ONLY, limited to two birds**
- Class 0121 - Standard Breeds, Large Fowl- 1 young bird of either sex.**
- Class 0122 - Standard Breeds, Large Fowl- 1 old bird of either sex.**
- Class 0123 - Standard Breeds, Bantams - 1 young bird of either sex.**
- Class 0124 - Standard Breeds, Bantams - 1 old bird of either sex.**
- Class 0125 - Production Pullets-Pen, 3 Standardbred, Crossbred, or Straincross pullets to be judged on egg production qualities only.**
- Class 0126 - Production Hens-Pen, 3 Standardbred, Crossbred, or Straincross hens to be judged on egg production qualities only.**
- Class 0127 - Dual purpose pullets-Pen, 3 such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.**
- Class 0128 - Dual purpose hens-Pen, 3 such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.**
- Class 0129 - Meat-type chickens-Pen, 3 Standardbred, Crossbred, or Straincross birds of the same sex to be judged on meat production qualities only.**
- Class 0130 - Turkeys, all breeds, - 1 bird of either sex.**

- Class 0131** - Ducks, all breeds - 1 bird of either sex.
- Class 0132** - Geese, all breeds - 1 bird of either sex.

DIVISION – PIGEON CLASSES

- Class 0133** - Old cock (hatched in previous calendar year)
- Class 0134** - Old hen
- Class 0135** - Young cock (hatched in this calendar year)
- Class 0136** - Young hen

POULTRY & PIGEON PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Purple/Blue	\$4.00
Red	\$3.00
White	\$2.00

RABBITS

Superintendents: Cristine Noland and Lindsay 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. Pre junior (under 3 months) classes only available in the following breeds: Argente Braun, Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Creme D'Argent, New Zealand, and Palomino. Juniors (under 6 months). Intermediate (6-8 months) classes only available in the following breeds: American, Giant Angora, Argente Braun, Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Crème D'Argent, Flemish Giant, English Lop, French Lop, New Zealand, Palomino, Satin and Silver Fox. Senior, six months of age or over for breeds other than those listed as having Intermediate classes, eight months of age or over for breeds having Intermediate classes.
6. Exhibitors will be responsible for the care, feeding and exhibiting of their own rabbits.

7. Diseased rabbits will be barred from the show.
8. 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.
9. Rabbits must be owned by exhibitor for 30 days prior to show.

DIVISION – RABBIT CLASSES

Please specify Breed and Variety when entering.

- Class 0140** - Senior buck. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.
- Class 0141** - Senior doe. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.
- Class 0142** - Intermediate buck. Only breeds listed above with Intermediate classes.
- Class 0143** - Intermediate doe. Only breeds listed above with Intermediate classes.
- Class 0144** - Junior buck. Under six months of age.
- Class 0145** - Junior doe. Under six months of age.
- Class 0146** - Pre-junior buck. Only breeds listed above with pre-juniors.
- Class 0147** - Pre-junior doe. Only breeds listed above with pre-juniors.
- Class 0148** - Meat pen. Three (3) rabbits, all one recognized breed and variety (broken varieties must be same color). Minimum weight 3½ pounds each. Maximum weight 5½ pounds each, and not over 70 days of age. Will be judged on their meat qualities, condition, uniformity and fur.

DIVISION – 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 0149** - Normal White fur
- Class 0150** - White Satin fur
- Class 0151** - White Rex fur
- Class 0152** - White Angora fur
- Class 0153** - Normal Colored fur
- Class 0154** - Colored Satin fur
- Class 0155** - Colored Rex fur
- Class 0156** - Colored Angora fur

DIVISION – RABBIT SHOWMANSHIP

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

***Class 0157** - Senior Showmanship (14-18)

***Class 0158** -Intermediate Showmanship (10-13)

***Class 0159** -Junior Showmanship (7-9)

*Subject to written test at judge's discretion.

RABBIT PREMIUMS

Grand Champion	Ribbon
Reserve Grand Champion	Ribbon
Breed Champion	Ribbon
Purple/Blue	\$4.00
Red	\$3.00
White	\$2.00

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 SPECIAL AWARDS

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 | Backpack sponsored by Cowley County Farm Bureau |
| Supreme Champion Heifer | Buckle sponsored by Mike & Jennifer Legako and Shorter Ranch, Janet Hawkins |
| Res. Supreme Champion Heifer | Backpack sponsored by Matt & Sheila Tatum |
| Champion Sr. Showman | Buckle sponsored by Shane & Kianne Prill Family |
| Res. Champion Sr. Showman | Bag sponsored by Beau & Tina Bailey |
| Champion Int. Showman | Buckle sponsored by Winfield Livestock Auction |
| Res. Champion Int. Showman | Bag sponsored by Depenbusch Farms |
| Champion Jr. Showman | Buckle sponsored by Orvel & Shirley Mason |
| Res. Champion Jr Showman | Bag sponsored by Cowley County Livestock Association |
| Champion Rate of Gain | Chair sponsored by Tony & Renee Humbolt |
| Res. Champion Rate of Gain | Chair sponsored by South Central Kansas Precision Ag, Kyle & Kip Smith |
| BUCKET CALF SPECIAL AWARDS | |
| Champion Bucket Calf | Backpack sponsored by Tony & Renee Humbolt |
| Res. Champion Bucket Calf | Backpack sponsored by Cowley County Farm Bureau Association. |

SWINE SPECIAL AWARDS

Champion Market Hog	Buckle sponsored by LaGrone Farm & Ranch
Res. Champion Market Hog	Backpack sponsored by Tatum Farm & Ranch
Champion Gilt	Buckle sponsored by Tatum Farm & Ranch
Res. Champion Gilt	Backpack sponsored by Tatum Farm & Ranch
Champion Sr. Showman	Buckle sponsored by Dick & Carol Gottlob
Res. Champion Sr. Showman	Bag sponsored by Jill Zimmerman
Champion Int. Showman	Buckle sponsored by Matt & Sheila Tatum
Res. Champion Int. Showman	Bag sponsored by Beau & Tina Bailey
Champion Jr. Showman	Buckle sponsored by Prill Show Pigs
Res. Champion Jr. Showman	Bag sponsored by Brian & Vickie Thiel & Family

SHEEP SPECIAL AWARDS

Champion Market Lamb	Buckle sponsored by Bruce Tank Service
Res. Champion Market Lamb	Backpack sponsored by Francis & Monica Rupp
Supreme Ewe	Buckle sponsored by Jim & Jessie Bradley
Res. Supreme Ewe	Backpack sponsored by Chris & Gaye Mackey
Champion Sr. Showman	Buckle sponsored by Greg & Tami Norwood
Res. Champion Sr. Showman	Bag sponsored by Anstine Oil Company
Champion Int. Showman	Buckle sponsored by Dave & Sonya Martin
Res. Champion Int. Showman	Bag sponsored by Jeff Swanson Farm Bureau Financial Services
Champion Jr. Showman	Buckle sponsored by Dave & Sonya Martin
Res. Champion Jr. Showman	Bag sponsored by Jim & Jessie Bradley
Champion Rate of Gain	Chair sponsored by Gary Miller Family
Res. Champion Rate of Gain	Chair sponsored by Gary Miller Family

DAIRY SPECIAL AWARDS

Champion Dairy	Buckle sponsored by Bair's LP Gas
Res. Champion Dairy	Backpack sponsored by Georges Trucking
Champion Sr. Showman	Buckle sponsored by Udall Sun Club
Res. Champion Sr. Showman	Bag Sponsored by Home Lumber Supply
Champion Int. Showman	Buckle sponsored by Countryside Feeds
Res. Champion Int. Showman	Bag sponsored by Wheatstate Technologies
Champion Jr. Showman	Buckle sponsored by Cowley County Farm Bureau
Res. Champion Jr. Showman	Bag sponsored by Ark Valley Plumbing

HORSE SPECIAL AWARDS

Sr. High Point Champion	Buckle sponsored by Covey Find Kennel, Scott & Harlene Johnson
Int. High Point Champion	Buckle sponsored by Winfield Saddle Club
Jr. High Point Champion	Buckle sponsored by Winfield Saddle Club
Champion Sr. Showman	Buckle sponsored by A & W Leatherworks
Res. Champion Sr. Showman	Bag sponsored by Cowley College
Champion Int. Showman	Buckle sponsored by Blair Doon Veterinary Hospital, Dr. Jennifer Jull-Sullivan
Res. Champion Int. Showman	Bag sponsored by Blair Doon Veterinary Hospital, Dr. Leslie Mikos
Champion Jr. Showman	Buckle sponsored by Kelsey Nordyke
Res. Champion Jr. Showman	Bag sponsored by Zeller Ford
Champion Mare	Backpack sponsored by Depenbusch Farms
Reserve Champion Mare	Backpack sponsored by South Central Precision Ag
Champion Gelding	Backpack sponsored by LaGrone Farm & Ranch
Reserve Champion Gelding	Backpack sponsored by South Central Precision Ag

RODEO SPECIAL AWARDS

All Around Sr. Cowboy	Buckle sponsored in Memory of John Musselman
All Around Sr. Cowgirl	Buckle sponsored by Cowley College
All Around Int. Cowboy	Buckle sponsored by Cowley College

All Around Int. Cowgirl	Buckle sponsored by Cowley College
All Around Jr. Cowboy	Buckle sponsored by Cowley College
All Around Jr. Cowgirl	Buckle sponsored by Cowley College

GRAND CHAMPION SHOWMAN AWARDS

Champion	Buckle sponsored by Wolfe Auto, LLC
Reserve Champion	Buckle sponsored by Hedges Family

DAIRY GOAT SPECIAL AWARDS

Champion Dairy Doe	Buckle sponsored by Cowley County Farm Bureau Association
Res. Champion Dairy Doe	Backpack sponsored by Cowley County Farm Bureau Association
Champion Sr. Showman	Buckle sponsored by Harvest Christian Church
Res. Champion Sr. Showman	Bag sponsored by Depenbusch Farms
Champion Int. Showman	Buckle sponsored by Harvest Christian Church
Res. Champion Int. Showman	Bag sponsored by Cowley College
Champion Jr. Showman	Buckle sponsored by Harvest Christian Church
Res. Champion Jr. Showman	Bag sponsored by Winfield Family Optometry

MEAT GOAT SPECIAL AWARDS

Champion Meat Goat	Buckle sponsored by Cowley College
Res. Champion Meat Goat	Backpack sponsored by Feaster's Deer Processing
Champion Meat Doe	Buckle sponsored by Rockin' A Oil
Res. Champion Meat Doe	Backpack sponsored by Stephen & Amanda Jennings
Champion Sr. Showman	Buckle sponsored by Greg & Tami Norwood
Res. Champion Sr. Showman	Bag sponsored by Brett & Becky Brown
Champion Int. Showman	Buckle sponsored by Seth & Lacy Colquhoun
Res. Champion Int. Showman	Bag sponsored by Feaster's Deer Processing
Champion Jr. Showman	Buckle sponsored by Cowley County Farm Bureau
Res. Champion Jr. Showman	Bag sponsored by Bruce Tank Service
Champion Rate of Gain	Chair sponsored by Cowley County Farm Bureau

Res. Champion Rate of Gain Chair sponsored by Dave & Sonya Martin

POULTRY/PIGEON SPECIAL AWARDS

Champion Poultry Backpack sponsored by Bryan & Betty Haunschild

Res. Champion Poultry Backpack sponsored by Covey Find Kennel, Scott & Harlene Johnson

Champion Pigeon Bag sponsored by Cowley College

Res. Champion Pigeon Bag sponsored by Cowley College

RABBIT SPECIAL AWARDS

Champion Rabbit Backpack sponsored by Cowley College

Res. Champion Rabbit Backpack sponsored by Cowley County Farm Bureau

STATIC EXHIBITS

1. Read General Rules, page 10.
2. Kansas State Fair requirements apply for all 4-H classes not marked with an asterisk. Please refer to the Kansas State Fairbook for applicable guidelines.
3. All exhibits must be checked in on Thursday of the fair between 4-7 p.m.
4. All exhibitors must sign up for conference judging.
5. Exhibits for foods, horticulture/floriculture and CloverBuds can be brought on the scheduled day of conference judging.
6. 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.

STATIC EXHIBIT PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$3.00
Red	\$2.00
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 Bake Sale (Friday 11a.m.-1p.m.) and Food Auction (Friday 5:15p.m.).

4-H/FFA FIELD CROPS

Superintendents: Cowley County Extension Master Gardeners

1. Exhibits should be as mature as possible.
2. Every entry must be identified by hybrid or variety name.
3. 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.
4. Exhibits are to be checked in as they are judged at 11:00 a.m. on Friday.
5. If variety is NOT stated where requested OR samples not tied where requested, ribbon placing will be docked one placing.
6. Limit 1 entry per class.

CORN – TEN EAR EXHIBIT

- Class 2400** - White. Variety of hybrid must be named. Ten ear exhibit.
Class 2401 - Yellow. Variety of hybrid must be named. Ten ear exhibit.
Class 2425 – **Corn; Exhibit to consist of one gallon sample. Variety must be named**

SORGHUM

- Class 2402** - Hybrid grain sorghum. Hybrid must be named. Ten head exhibit.
Class 2403 - Hybrid forage sorghums. Exhibit to consist of the entire plant; no roots. Hybrid must be named. 5" bundle, tied.
Class 2404 - Other forage sorghums. Exhibit to consist of the entire plant; no roots. Variety must be named. 5" bundle, tied.

WHEAT – ONE GALLON SAMPLE

- Class 2406** - Hard Red Winter Wheat. Variety or hybrid must be named.
Class 2407 - Hard White Wheat. Variety or hybrid must be named.
Class 2405 - Soft Red Winter Wheat. Variety or hybrid must be named.

OTHER CROPS

- Class 2412** - Oats. Exhibit to consist of one gallon sample. Variety must be named.
Class 2413 - Barley. Exhibit to consist of one gallon sample. Variety must be named.
Class 2414 - Alfalfa. Exhibit to consist of one gallon sample of seed. Variety must be named.
Class 2419 - Soybeans. Exhibit to consist of one gallon sample of seed from most recent harvest. Variety must be named.

- Class 2420** - Soybeans. Bundle of five plants (with roots intact) from most recent harvest. Variety must be named.
- Class 2417** - Brome Grass. Exhibit to consist of one gallon sample of seed.
- Class 2418** - Other Tame Grass. Exhibit to consist of one gallon sample of seed.
- Class 2426** – **Cool Season Grass Hay (e.g. fescue, etc) Ten inch flake or slice, 6 inches thick and ties in two directions. Variety must be named.**
- Class 2415** - 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 2416** - Native Grass Hay. Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.
- Class 2423** - Miscellaneous Crops. Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named.
- Class 2424** - Cotton. Provide 10 open bolls, not 10 plants. Place bolls in a bag that can breathe (not a sealed bag) so mold doesn't develop.

HORTICULTURE/FLORICULTURE

Superintendents: Cowley County Extension Master Gardeners

1. Write the variety of each vegetable on the entry card.
2. Products exhibited in this division must be grown in current club year by members enrolled in the project.
3. Exhibits are to be checked in as they are judged at 11:00 a.m. Friday.
4. **Class *0232-** 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.)
5. **Class 2500** - Garden Display. Each exhibitor in 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.
6. 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.
7. 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>
8. Exhibitor may make a total of two entries per class for Class 5600-5603 (Floral entries).

9. Exhibitor must use a non-breakable container for all exhibits in Classes 5600-5603.
10. A 4-H member may exhibit in only eight of the following Classes 5600-5603. During pre-entries, member will enter class 022X, which will allow them to exhibit up to 8 entries at the fair. will be accepted for more than eight entries, but only eight may be exhibited.

Class 2500- Garden Display

Class 2501 - Small vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, radishes other small vegetables.

Class 2502 - Medium vegetable specimen plate (5) Ex: cucumbers, cherry tomatoes, tomatoes, beets, white onions, yellow onions, red onions, bell peppers, other peppers, okra, parsnips, radishes turnips, sweet potatoes, red potatoes, white or Russet potatoes, carrots, miniature pumpkin, decorative gourds, or other medium vegetables.

Class 2503 - Large vegetable specimen plate (1) Ex: watermelon, summer squash, winter squash, large type pumpkin, eggplant, cabbage, cantaloupe, other large vegetable.

Class 2504 - Fresh Culinary herbs (6) Ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.

Class 2505 - Small fruits (one half pint box) Ex. Strawberries, blackberries, raspberries, or other similar sized fruits. (if other, please include name of fruit on entry).

Class 2506 - Tree fruits (plate of 5) Ex. apples, pears, peaches, or similar sized fruits.

Class 2507 - Grapes (plate of 2 bunches).

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

Class 5601 - Perennial Garden Flower, cut specimen, single stem.

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

Class 5603 - Dried Flower Arrangement, no fabric or plastic material allowed.

Class 5604 - Horticulture Notebook. Entry shall consist of a notebook or three ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. 4-H'ers are encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before,

during and after the completion of the project are particularly helpful. Exhibitor may enter one horticulture notebook. Horticulture notebook scoring is based on the following criteria: Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) 20%, Narrative (including goals, successes, failures, etc.) 40%, General Content (subject matter, photos, maps, knowledge gained, etc.) 40%.

***Class 0232**- Garden Surprise

***Class 0233** - Open Terrariums

***Class 0234** - Closed Terrariums

***Class 0236** - Potted Plant

*Ineligible for State Fair competition.

FORESTRY

Superintendents: Cowley County Extension Master Gardeners

1. Forestry projects will check in with Field Crops and Horticulture/Floriculture Department on Thursday of the fair.
2. Each member may enter up to two exhibits in 4-H Forestry but only one entry per class. Participants can exhibit in a collection phase and one other class, 5100-5109, or they may exhibit in any two non-collection classes, 5104-5109.
3. All leaf exhibits are to be mounted on 8½" x 11" heavy stock paper and placed in loose leaf binders. (Magnetic or adhesive filler sheets for photographic prints or sheet protectors are recommended.) Twigs and fruit collections may be exhibited in whatever manner you choose. Maximum tri fold size is 3' x 4'. Resources for exhibiting are located on the Kansas 4-H forestry project page:
<https://www.kansas4-h.org/projects/agriculture-and-natural-resources/plant-sciences/forestry.html>
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" (<https://www.bookstore.ksre.ksu.edu/pubs/4H334.pdf>); (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. Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Tree (<https://www.bookstore.ksre.ksu.edu/pubs/4H334.pdf>).
8. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.

9. Group specimens according to the years collected (ex. "old-previous years" and "new")
10. Variations of varieties do not count as different species or specimens.
11. When replacing previously displayed samples, due to degradation, improper mounting or incorrect identification, the specimen label must also be updated. Replacements do not count as new specimens. Replacements should be displayed in the "old previous" section of the display.
12. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
13. In all leaf collections, 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.
14. All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.
15. 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.

Knowing Trees as Individuals (Leaf Collections**)

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

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

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

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

A. Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. 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 Notebook: Entry may include a project notebook with 10 or more seeds collected with pictures showing a germination study or a mounting of a thin section of wood cut from the end of a log or top of stump labeled with information such as kind of wood and age of tree when cut or exhibits an illustration of how a tree grows.

Tree Appreciation

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

Growing and Protecting Trees

Class - 5106 Display/Notebook: Entry requires a display, or project notebook, telling about project and pictures before, during, & after planting seedlings, a container tree, or a balled and burlapped tree. Maximum tri-fold size is 3' x 4'.

Tree Culture

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

How Forests Serve Us

Class - 5108 Entry may include collected wood samples (all or partial) and 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 Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials that will withstand State Fair conditions. This is a good class to exhibit an unusual collection.

VISUAL ARTS

Superintendents: Deborah Badley, Jennifer Hensley

1. Entry tags must be attached to exhibit by check-in time.
2. Items that are designed to be hung on a wall should have appropriate hanging hardware securely attached. Hardware should be appropriate for project weight. Failure to properly attach a hanger will result in docking one ribbon placing and the corresponding premium.
3. Each exhibitor is LIMITED TO 6 TOTAL ENTRIES, 4 ENTRIES/CLASS.
4. Barn Quilts should be entered in Class 0240 Arts and Crafts. Barn quilt must not exceed a 2' x 2' square. Display cannot be on point (diamond shaped) due to display limitations. The exhibit 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.
5. 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. ****No Glass in frames permitted.** 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.
6. A Champion and Reserve Champion in each age division may be chosen for each Class, if quality merits.
7. Items for the Kansas State Fair will be selected by the judge(s).
8. Prior arrangements need to be made if exhibit is oversized. Please note during pre-entry.

Class 0240 - Arts and Crafts

Class 0241 - Bead Work

Class 0242 - Leather Craft

Class 0243 - Ceramic/Pottery (Single piece or matched or related group)

Class 0244 - Drawing, Sketching, Painting or Computer generated drawings

HERITAGE/FIBER ARTS

Superintendent: Joan Brodbeck

1. Exhibitors are limited to 6 total entries, 4 entries per class.
2. Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving, crochet, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting or embroidery or ethnic art.) Ethnic Fiber Arts should use a fiber, yarn or fabric to create the design exhibit. Non-textile (examples include wood, reed, straw, grass, etc.) baskets/pieces should be entered in the Visual Arts Division.
3. Identification Label:
 - A. Type or print on a 3" x 2 1/2" piece of cloth: class number, county or district, and exhibitor's name.
 - B. Sew or safety pin this ID label on the corner of flat articles.
 - C. For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.
4. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
5. All exhibits which need to be hung must have the appropriate saw tooth hanger, rod, wire, or other mechanism attached in order to be properly displayed. Framed exhibits must be ready to hang.

Class 4111 - Crochet, an article.

Class 4112 - Knitting, an article made either by hand or by knitting machine.

Class 4113 - 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) Appliqué

Class 4114 - Patchwork and Quilting, an article.

Class 4115 - Rug making, a rug.

Class 4116 - Spinning, a skein.

Class 4117 - Weaving, a woven article.

Class 4118 - Ethnic Arts, an article.

Class 4119 - Macrame, an article.

Class 4120 - Fiber Arts Educational Notebook

CLOTHING CONSTRUCTION

Superintendent: Stephanie Spoon

1. Members will be limited to 6 clothing entries combined, which may include 5 clothing entries and 1 educational exhibit.
 2. All items will be judged on Tuesday, a week prior to the fair at the Brown Center, Cowley College, 215 S 2nd Street, Arkansas City.
 3. 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.
 4. Garments must be carefully laundered or cleaned before being exhibited.
 5. Each clothing item must be labeled with Class Number, County, Name on 3" x 2½" piece of cloth. Sew labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
 6. All garments must be on a hanger & covered with a clear plastic bag.
 7. Other items should be placed in clear plastic bags.
 8. Classes marked with (*) asterisk are ineligible for State Fair competition.
 9. Exhibitors can choose to have garments judged for construction only. They will not be included in style revue judging, should exhibitors choose this option.
 10. 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.
 11. 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.
- *Class 0260** - An article, garment or outfit constructed by a 7-8 year old exhibitor.
- *Class 0261** - Educational exhibit prepared by a 7-8 year old exhibitor.
- Class 4000** - An article, garment or outfit constructed by a 9-11 year old exhibitor.

Class 4001 - Educational exhibit prepared by a 9-11 year old exhibitor.

Class 4002 - An article, garment or outfit constructed by a 12-14 year old exhibitor.

Class 4003 - Educational exhibit prepared by a 12-14 year old exhibitor.

Class 4004 - An article, garment or outfit constructed by a 15-18 year old exhibitor.

Class 4005 - Educational exhibit prepared by a 15-18 year old exhibitor.

Class 4006 - Recycled Clothing Project

*Not eligible for Kansas State Fair

FASHION REVUE

Superintendents: Carolyn Guernsey and Judy Keller

1. All Fashion Revue judging will be held Tuesday, July 25, 2023 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.
2. 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.
3. 4-H-ers must participate in the public revue in order to receive ribbons and premiums. Ribbons will be presented at the public revue.
4. A Champion and Reserve Champion may be selected in all three age divisions of Constructed Garment, Boys Buymanship and Girls Buymanship, providing quality merits.
5. Senior Revue Champions and Reserve Champions are eligible to represent Cowley County at the State contest held during the Kansas State Fair.
6. Official score cards must be filled out before judging and furnished to the judges prior to judging.
7. 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.
8. 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.

9. 4-H'er should be knowledgeable of information requested on 4-H judging scorecard.
10. 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. Garments or outfits constructed in the knitting or crochet project can be entered/modeled in the Constructed Garment Revue.
11. Garments in the Buymanship Fashion Revue 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.
12. 4-H'er should be knowledgeable of information requested on Cowley County 4-H Cost Per Wear/Fashion Revue Worksheet.
13. Examples of Buymanship categories: Active Sports Outfit - Shorts and T-shirt, jogging suit, etc.; Casual Outfit - School clothes, sportswear; Dress-up Outfit - Best dress, special occasion; Formal Wear - Prom, special occasion
14. Garments must have been purchased or made in current 4-H year.
15. Buymanship garments are not displayed at the Cowley County Fair.

JUNIOR CONSTRUCTED REVUE (Ages 7-9)

- Class 0270** - A Garment
- Class 0271** - 2 or 3 piece coordinated outfit
- Class 0272** - Other

INTERMEDIATE CONSTRUCTED REVUE (Ages 10-13)

- Class 0273** - A Garment
- Class 0274** - 2 or 3 piece coordinated outfit
- Class 0275** - Other

SENIOR CONSTRUCTED REVUE (Ages 14-18)

- Class 0276** - A Garment
- Class 0277** - 2 or 3 piece coordinated outfit
- Class 0278** - Other

GIRLS BUYMANSHIP REVUE

GIRLS JUNIOR CLASSES (Ages 7-9)

- Class 0279** - Active Sports Outfit
- Class 0280** - Casual Outfit
- Class 0281** - Dress-up Outfit

GIRLS INTERMEDIATE CLASSES (Ages 10-13)

Class 0282 - Active Sports Outfit

Class 0283 - Casual Outfit

Class 0284 - Dress Up Outfit

GIRLS SENIOR CLASSES (Aged 14-18)

Class 0285 - Active Sports Outfit

Class 0286 - Casual Outfit

Class 0287 - Dress Up Outfit

Class 0288 - Formal Wear

BOYS BUYMANSHIP REVUE

BOYS JUNIOR CLASSES (Ages 7-9)

Class 0289 - Active Sports Outfit

Class 0290 - Casual Outfit

Class 0291 - Dress Up Outfit

BOYS INTERMEDIATE CLASSES (Ages 10-13)

Class 0292 - Active Sports Outfit

Class 0293 - Casual Outfit

Class 0294 - Dress Up Outfit

BOYS SENIOR CLASSES (Ages 14-18)

Class 0295 - Active Sports Outfit

Class 0296 - Casual Outfit

Class 0297 - Dress Up Outfit

Class 0298 - Formal Wear

FOOD AND NUTRITION

Superintendent Team: Tabitha Hogan, Sarah Boothe, Sheryl Hervey

1. Each food exhibitor is limited to 6 food entries combined, which may include: 4 food entries, one food gift package, and one educational exhibit. Complete recipes with ingredients and instructions must be attached with the entry, or the placing will be lowered one ribbon when judged.
2. Exhibits are to be brought to the Fairgrounds and checked in on Friday, at the time of the assigned Conference Judging.
 - **Classes 0410 and 0411 (Decorated Foods and Edible Arrangements) will be judged on Tuesday, July 25 between 11a.m. – 1 p.m. in conjunction with Fashion Revue and Clothing Judging, in Arkansas City.**
3. 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.
4. For food safety purposes, any food with custard and dairy-based fillings and frostings (ex. Cream cheese) raw eggs, flavored

oils, “canned” bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration (ex. Bacon) or unbaked exhibit with raw flour (ex. No bake cookies) will be disqualified and not judged. Refer to K-State Research and Extension publication, 4-H488, Judge’s Guide for Food and Nutrition

Exhibits, <https://bookstore.ksre.ksu.edu/pubs/4H488.pdf>, for information to help you make informed, safe food exhibit decisions.

5. For food safety purposes, any entries with frostings and fillings must calculate the amount of sugar in the frosting/filling recipe only. Calculation must be attached to entry, or the placing will be lowered one ribbon when judged. Frosting and fillings need to contain more than 65% sugar for safety. Examples on how to calculate this percentage are included in the publication located at: <https://bookstore.ksre.ksu.edu/pubs/MF3544.pdf>.
6. Alcohol (ex. Wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not be judged.
7. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe. Exhibit 3 cookies, 3 muffins, 3 bread sticks, 1 loaf bread, etc.
8. Under baked entries will be lowered one or more ribbon placings.
9. All un-frosted cakes should be exhibited in an upright position with crust showing. The exception is for cakes made with special designs such as Bundt cakes. They should have top crust side down.
10. Attach label to bottom of plate or cardboard. Label templates are available at http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf or make your own with the following information: Class Number, Food Product Name, 4-H member’s Name, and County.
11. Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or disposable container of appropriate size for the exhibit.
12. Exhibits should be in food grade plastic bags, disposable plastic containers or boxes of appropriate size for the exhibit. Only the exhibit is judged. The container is not judged.
13. Classes marked with asterisk (*) are ineligible for State Fair competition.
14. Entries will be placed in following four categories by age of 4-H'er: Beginner, Junior, Intermediate, and Senior.
15. Educational Exhibits - May be poster, notebook or project display. If a poster, it must not be larger than 22" x 28". Total space required for project display must be no more than 12" high by 12" deep and 18" long.
16. 4-H'er should be knowledgeable about food preparation and nutritional information.

17. 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.
18. 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.
19. Dried foods are to be exhibited under the Food Preservation Class.
20. Decorated Foods (Class 0410) and Edible Arrangements (Class 0411) will be judged on appearance only. Entries in these classes must be fit for human consumption (ie, no styrofoam forms).
 - **For 2023, judging is on July 25 (see #2)**
21. All items will be donated to the Cowley County 4-H Council and auctioned at the Food Auction Friday, Aug 4 at 5:15 p.m. in Barn 4. The proceeds from the sale of the Creative Cooks items will be split evenly between the club making the entry and 4-H Food Auction.

Class *0300 - For age 7-8, non-perishable food product.

Class *0301 - Educational exhibit prepared by 7 or 8 year old.

Class 4300 - For age 9 -11, non-perishable food product.

Class 4301 - Educational exhibit prepared by 9, 10 or 11 year old.

Class 4302 - For age 12-14, non-perishable food product.

Class 4303 - Educational exhibit prepared by 12, 13 or 14 year old.

Class 4304 - For age 15-18, non-perishable food product.

Class 4305 - Educational exhibit prepared by 15-18 year old.

Class 4306 - 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 0309** - 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 0410** - Decorated Food (cookies, cupcakes, cakes) (**see #2, change in judging day**)
 - ***Class 0411** - Edible Arrangement (**see #2 change in judging day**)
 - ***Class 0412** - Food Flop (pre-entry not required. This class allows a member to visit with a judge to learn from the flop.)
 - ***Class 0413**- Creative Cooks
 - ***Class 0415** - **Enhanced Baking Mix Product** (members may use a package (box or pouch) baking mix as part of the recipe. Members should provide a written recipe and narrative.)
- *Not eligible for State Fair

FOOD PRESERVATION

1. Food preservation is open to all 4-H'ers enrolled in the Foods project. Exhibits must have been preserved since the previous year's county fair, and not been exhibited at the previous State Fair. Please refer to Kansas State Fair Recipes and processing methods from the sources below are recommended. Recipes must be from 1995-Present Current, tested resources listed below AND MUST BE ADJUSTED FOR ALTITUDE based on your processing location, or it will be disqualified. Processing methods that will be disqualified include: open kettle- canning, oven canning, sun canning and using electric multi-cookers. For more information on electric multi-cookers, see http://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html Untested recipes will be disqualified for food safety reasons.
2. Tested Recipe Resources include:
 - K-State Research and Extension Food Preservation publications
 - Other University Extension Food Preservation publications
 - USDA Complete Guide to Home Canning, @2015
 - So Easy to Preserve, 6th edition, The University of Georgia Cooperative Extension Service
 - Ball® Blue Book Guide to Preserving, Edition 37
 - Ball® Complete Book of Home Preserving, @2015 and @2020
 - Canning mixes (i.e. Mrs. Wage's, Ball®)
 - Pectin manufacturers (i.e. SureJell, Ball®)
 - KSRE Rapid Response Center Preservation Recipes
 - National Center for Home Food Preservation
 - Ball® and Kerr
3. Refer to following K-State Research and Extension publications for more information:

- 4H712, Food Safety Recommendations for Food Preservation Exhibits (<http://www.ksre.ksu.edu/bookstore/pubs/4H712.pdf>)
 - MF3170 “10 Tips for Safe Home-Canned Food” (<http://www.ksre.ksu.edu/bookstore/pubs/MF3170.pdf>)
 - MF3171 “Sassy Safe Salsa at home” (<http://www.ksre.ksu.edu/bookstore/pubs/MF3171.pdf>)
 - MF3172 “What’s Your Elevation?” (<http://www.ksre.ksu.edu/bookstore/pubs/MF3172.pdf>)
 - MF3241 “How to Guide to Water Bath Canning and Steam Canning” (<http://www.bookstore.ksre.ksu.edu/pubs/MF3241.pdf>)
 - MF3242 “How to Guide to Pressure Canning” (<http://www.bookstore.ksre.ksu.edu/pubs/MF3242.pdf>)
4. Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and not be judged.
 5. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be disqualified. Recipe must include exhibitor name, recipe source, date of publication and altitude, and where food was processed. If using Mrs. Wage’s or Ball ® mixes, indicate the date the mix was purchased.
 6. Exhibits must be sealed in clean, clear standard canning jars, with matching brand (ex: use Ball ® lids on Ball ® jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not use colored jars. Do not add fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex: Pickled asparagus). Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe. Note: There are 12-ounce, 24-ounce and 28-ounce canning jars available and may be used. Use pint jar process recommendations for 12-ounce jars. Use quart jar process recommendations for 24 ounce and 28-ounce jars.
 7. Each jar exhibited must be labeled. The label must not cover brand name of jar. The label must give: Class Number, Product, Altitude where processed, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), date processed including month and year, Name, and County/District. Templates to make adhesive labels can be found at: https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf
 8. Classes 4350-4355 will require one jar for each class.
 9. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 – ½ cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature! Dried products must include the recipe, preparation

steps and heating instructions. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found in “Dry meat Safely at Home” www.ksre.ksu.edu/bookstore/pubs/MF3173.pdf

10. Each exhibitor is limited to 4 entries and only 1 entry per Class.

Class 4350 - Sweet Spreads (fruit and/or vegetables), Syrups; One jar

Class 4351 - Fruits, juices, fruit mixtures (salsa, pie filling, etc) ; One jar

Class 4352 - Low acid vegetables (green beans, corn, etc. or vegetable mixtures); One jar

Class 4353 - Pickles (fruit or vegetable), fermented foods, Relishes and chutney; One jar

Class 4354 - Tomato/ tomato products, tomato juice and tomato salsa (salsa in pints only); One jar

Class 4355 - Canned Meats; One jar

Class 4356 - Dried Foods; One small jar

4-H BANNER – PROMOTION – BARN QUILT

Superintendents: Darla Mill and Madelynn Mill

1. Entries in classes 0430-0432 are reserved for club projects. Each banner/4-H promotional item should illustrate a phase of 4-H work which is being practiced by club members.
2. 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.
3. Banners should be made out of flame-resistant material.
4. Dimensions are to be no less than 12 feet and no more than 16 square feet with a minimum of 3 feet on one side.
5. 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.
6. 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.
7. 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.
8. 4-H exhibitors should avoid using copyrighted materials whenever possible. Copyrighted and/or trademarked materials utilized in

banners or displays for endorsement or promotion instead of educational experiences will be disqualified.

9. 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.
10. Barn quilts must be on 3/8" or 1/2" thick exterior durable material.
11. A champion and reserve champion will be awarded in this division provided quality merits.

Class 0430 - Banner

Class 0431 - Promotional Project

Class 0432 - Barn Quilt

BANNER - PROMOTION- BARN QUILT PREMIUMS

Champion	Ribbon
Reserve Champion	Ribbon
Purple/Blue	\$10.00
Red	\$7.50
White	\$5.00

SPECIAL AWARDS

Top Purple/Blue Ribbon with a Citizenship theme, \$30 by Cowley County Farm Bureau.

Top Purple/Blue Ribbon with a Safety theme, \$30 by Cowley County Farm Bureau.

NOTEBOOKS, PROJECT DISPLAYS, POSTERS

Superintendents: Darla Mill and Madelynn Mill

1. Exhibits should show current year's work.
2. Member must be enrolled in the project in which they are exhibiting.
3. Notebooks will be judged on quality, content and neatness.
4. 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 Staff 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
 - A. Is the main idea specific?
 - B. Is the idea presented clearly, simply, forcefully?
 - Interest, Holding Power.....15
 - C. Does the exhibit give the observer additional facts in a clear, concise informative way?
 - 4-H Project application.....15
 - D. Is the subject matter an effective showcase?
 - Mechanical Power.....5
 - E. Correct letter size, pleasing color combination, appropriate symbols, and models?
 - Personal Growth.....25
 - F. How much knowledge was gained by exhibitor?
 - Educational Value.....25
 - G. Knowledge shared?
 - Total.....100

***Class 0440 - Self-Determined**

***Class 0441 - Pets**

***Class 0442 - Cats**

***Class 0443 - Leadership**

- ***Class 0444** - Citizenship
- Class 0445** - Shooting Sports
- ***Class 0446** - Family Studies
- Class 0447** - Home Environment
- ***Class 0448** - Healthy Lifestyles
- ***Class 0449** - Performing Arts
- ***Class 0450** - Communications
- ***Class 0451** - Reading
- Class 0452** - Wildlife
- ***Class 0453** - Officer Notebook
- ***Class 0454** - Other (with special permission)
- ***Class 0455** - Sportfishing

ENERGY MANAGEMENT

Superintendent:

1. Only those who have met the requirements of the electric, small engine or wind energy project are eligible to exhibit in this division.
2. An exhibitor may enter up to three items in this division, but only one article per class. Use the project info sheet available from the Extension Office. Record all requested information and securely attach to exhibit.
3. Items that have been in use should be cleaned for exhibit.
4. A sheet of operating instructions must be furnished for any exhibit not self-explanatory.
5. Projects (classes 4600, 4601 and 4602) must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
6. 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.
7. No hand dipped solder may be used on exhibits.

ELECTRICAL AND ELECTRONICS

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

Class 4601 - DC Electric Projects. Electric projects with a battery or direct current power source. This class includes electric kits or original

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

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

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

SMALL ENGINES

All exhibits should involve engines smaller than 20 horsepower for classes 4610-4612. Displays are limited to 4' wide and 4' deep - both upright and floor displays.

Class 4610 - DISPLAY - Exhibit a display, selecting one of the following options: 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR 2) a display identifying and explaining the function(s) of different special tools needed for small engine work; OR 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.

Class 4611 - 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 4612 - OPERATION - Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Maximum tri-fold size is 3' x 4'. Engine should contain no fuel in tank or carburetor.

ALTERNATIVE ENERGY

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

Class 4620 - 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 4621 - EXPERIMENT - Display an experiment addressing a problem or question related to power generated from a renewable energy source. Include hypothesis, background research, variables, a control, data, findings, conclusions and recommendations for future study.

ENTOMOLOGY

Superintendent: Paula Crow and Rendi Hoffman

Jr. Superintendent: Caydence Billiter

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. The Notebook category also has an Introductory class that 4-H'ers may exhibit.
2. Resources for exhibiting can be found on the [Kansas 4-H Entomology project page](#).

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. 4-H'ers may choose to use one of two taxonomies:
3. As printed in "[Insects in Kansas](#)" book or
4. As printed on the "[Insects in Kansas Book: 2016 Revised Taxonomy](#)", which follows www.bugguide.net.
5. Each exhibitor is required to identify each box with two identification labels bearing Exhibitor's name, county or district, the collection class 4-H'er is enrolled in and statement of taxonomy used. One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Arrange specimens in the box so the box can be displayed lengthwise.
6. The number of orders, specimens (and families where required) must be included on both of the exhibitor's box identification labels. Only one adult insect per species can be used in the Collection Boxes and Note Book Classes, unless labeled as male or female and correctly identified.
7. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits.
8. Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Specimens are to be arranged by Order in the box, then Family where required.
9. Two labels should be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label should include date/locality. Full county name and state abbreviation should be on the second label. Collector's name (or host) on the date/locality label is optional.
10. The specimens should be collected by the exhibitor and should focus on Kansas insects. Insects may be collected from one county into bordering states and labeled accordingly. Please refer to "Entomology Collection Exhibit Resource" for full details on out-of-state insects in collections.
11. Only specimens of the class Insecta should be included.
12. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
13. Specimens of soft bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.

***Class 4899 - Intro to Entomology**

This is a non-qualifying Cowley County Fair ONLY class.

Exhibitors may display a maximum of 20 species in any display they are able to use. Youth may exhibit in this class for up to two years.

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 guidelines listed for Collections. Members can exhibit in this class a maximum of 3 years or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

Class 4901 - Beginning II Entomology 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)

- a) "[Insects in Kansas](#)" book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or
- b) "[Insects in Kansas Book: 2016 Revised Taxonomy](#)", which follows www.bugguide.net - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera

On a piece of paper list what you did to improve your collection during the current year. Members can exhibit in this class a maximum of 3 years. A 4-H'er may move up if they receive a purple ribbon.

Class 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. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits.
3. 4-H'ers may choose to use one of two taxonomies:
 - as printed in "Insects in Kansas" book or
 - as printed on the "[Insects in Kansas Book: 2016 Revised Taxonomy](#)", which follows www.bugguide.net
4. 4-H'ers who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginning Phase of Entomology Notebooks, not the Introductory phase.
5. Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitor's name, county or district and class 4-H'er is enrolled in and statement of taxonomy used:
 - "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.
15. Refer to the publication "[Entomology Collection Notebook Guidelines](#)" on the Kansas 4-H Entomology web page for more detailed rules for exhibiting.

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 DISPLAYS

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming with Insects curriculum that does not fit into Entomology Collection or notebook classes above.
2. Follow copyright laws as explained in the General Rules.
3. The exhibit may be, but isn't limited to, original works, digital presentations (must provide printed hardcopy for exhibit purposes for duration of state fair), programs, websites, games, apps, display box, notebook, display or poster which you have made.
4. If the exhibit is a wooden display box, it must be 18 X 24 X 3.5 inches with a clear plastic top (such as plexiglass) and displayed horizontally. If the exhibit is a poster, it must not be larger than 22" X 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' X 4' tri-fold display board.
5. Name and county/ district must clearly be marked on educational exhibits.
6. A completed 4-H Entomology Photo Release Form must be attached to the Entry Card for all exhibits.

Class 4902 - Beginning Educational Exhibit

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

Class 4904 - Intermediate Educational Exhibit

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

Class 4906 - Advanced Educational Exhibit

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

GEOLOGY

Superintendents: Paula Crow and Rendi Hoffman
Jr. Superintendent: Caydence Billiter

1. Each exhibitor will be limited to one entry per Class.
2. 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"x31/2".

3. Each exhibitor is required to identify each display box by placing an identification label bearing name, county, 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).
4. Exhibitor may enter in both geology and lapidary classes. Exhibitor may show in only one of the first four geology classes (5200, 5201, 5202 or 5203). Exhibitor may also show in geology class 5204 (special exhibit), 5205 Mineralogy, 5206 Fossils, and in one lapidary class.
5. Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
6. For the geology classes 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).
7. For geology classes 5200, 5201, 5202, 5203, 5305, and 5206 all specimens must be collected by the participant (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.
8. Eligibility – Class levels are broken down by years exhibiting at the Kansas State Fair. Please read each class description to determine which best suits the exhibitor.

Class *5199 – Intro to Geology. This is a non-qualifying Cowley County Fair ONLY class. Exhibitors may display a maximum of 10 rocks in any display they are able to use. Youth may exhibit in this class for up to two years.

Class 5200 - Geology. Display at least 15 rocks, minerals, and fossils collected during the current 4H year. Exhibitor is limited to one exhibit box.

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. 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.

5206 Fossils - Display a minimum of 15 fossil specimens collected by the participant in Kansas, at least 5 of which have been collected

during the current 4-H year. The fossils are to be grouped by Phylum and Class, and at least 3 phyla must be represented (Brachiopoda, Chordata, Mollusca, etc.) The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen; date collected; county where collected; formation, member, or source; phylum, class, and genus or part; and geologic age (Cretaceous, Permian, Pennsylvanian, etc.) See #5 for additional fossil labeling expectations.

5207 Rocks - Display a minimum of 15 rock specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. Rocks are to be grouped by the 3 rock classes (Sedimentary, Igneous, and Metamorphic). You must display at least one specimen from each of the three classes. The specimens must fit in one standard display box. Specimen labels must include a specimen number, the date collected, name of specimen, and the county where collected. All rocks must be identified by the formation and member name (Examples: Fort Hays Limestone, Member of the Niobrara Chalk Formation) or source (Examples: Rocky Mountain Outwash, glacial till).

LAPIDARY CLASSES

The lapidary will be judged on the following criteria:

- | | |
|---------------------------------|-----------|
| 1. Workmanship and Content | 60 points |
| 2. Presentation and Showmanship | 30 points |
| 3. 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.

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.

PHOTOGRAPHY

Superintendents: Ashley Bugbee and Debbie Watt

Jr. Superintendent: Abigail Reid

1. Exhibitors may enter a maximum of 4 photographs. **During pre-entry, enter class 480X which will allow the member to bring up to 4 photographs.**
2. Black and white prints and color photographic prints and/or videos may be exhibited.
3. Photographs entered must be the result of the current year's project work by the 4-H member. Photo images must be taken by the 4-H Member (exhibitor).
4. Remove white border from the photo print before mounting.
5. All photos must be no larger than 8" x 10" and no smaller than 7"x 9", after trimming.
6. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" 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.

7. 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.
8. A full coverage permanent mount (spray adhesive recommended or heat mount) must be made.
9. No lettering, including dates, is permitted on the front of the mount or on the photo. No underlay or borders are to be used.
10. To protect exhibits from dust and moisture, place mounted photo in protective plastic bag. (Plastic sleeves available at the Cowley County Extension Office)
11. On the back of the mount, write; the exhibitor's name, photo class, and county name.
12. Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed, pencil marks or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
13. 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.
14. My Favorite 4-H Photography Display: This new class is only for those photography project members with 10 or more years of experience. This class is a non-judged mounted display consisting of four favorite photos from the member's photography career in 4-H. All photos and a fifth biography/description with details of why they are regarded as most significant will be mounted on white or cream studio matte board. Photos and biography/description will be displayed on one row of the photography racks. This class is an extra way to showcase the development and accomplishments of the 4-H member's photography career. Members can still enter two other classes, if they are enrolled 8 or more years in the photography project.
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 of way 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 4800 - Color photos taken by a 4-H member with 3 years or less in the project.

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

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

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

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

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

Class 4806 - My Favorite 4-H Photography Display.

1. This is a “display only” class.
2. Eligible members must have enrolled in photography for ten (10) or more years.
3. Requirements are:

A. Choose a total of four (4) of your favorite photos from any of the years enrolled in photography. If used previously in competitive exhibits, removal I data slips and stickers. If the photo is an unmounted print, mount it using standard 4-H requirements and mat board.

B. Develop a short biography piece.

1. Tell how/when an interest in photography began.

2. Explain why each of the four photos is a favorite.

3. Share the skills learned because of photography. Think beyond the camera skills and include leadership, community service, etc

4. Tell of any mentors/leaders worked with.

5. Share workshops or camps pertaining to photography you attended.

6. Explain (if relevant) any plans to use photography skills beyond 4-H/High School.
 7. Include a small (2 X 3) photo of yourself at the start of the biography.
 8. Print the biography document and mount it on a standard mat board.
4. Place name and Extension unit on the back of each of the 5 mat boards in the upper right-hand corner.
 5. This exhibit does not have to qualify at the county/district level to exhibit 44 at the Kansas State Fair.
 6. There is no data slip required.
 7. A member who qualifies to exhibit in this class is still allowed to enter two prints and a portfolio for judging if qualifications for those classes are met.

PORTFOLIO CLASSES

Class - 4807 Growth Portfolio

1. Member is eligible for this class beginning with the third year of enrollment in the 4-H photography project.
2. Exhibit will consist of one photo for each year of enrollment. Each photo must have been created in a different year and must be labeled with the year taken/project enrollment year. A maximum of 5 photos may be included if the member has 5 or more years of enrollment. Photos are not required to be in a consecutive order. For example, a nine-year-old with three years enrollment in photography is eligible to enter a growth portfolio. The portfolio in this example should have one photo from the seven-year-olds year, one photo from the eightyear-olds year, and one photo from the nine-year-olds year. The growth portfolio class may start at any time in the member's photography career. For an older member, the growth portfolio would represent any five years in the project, for example, years 1,3,5,7 and 9 for a member having project enrollment totaling 9 years.
3. Photos must be 8" x 10" and may be color or black and white and must be unmounted.
4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. Skill set used to create the photo must be given and explained. Main goal for each year should be listed.
6. Beginning with photo 2, member description of GROWTH in project skill must be included on information sheet.

7. Exhibit will consist of photos arranged in chronological order of enrollment, information sheet on each photo, and all information listed in #6 and #7. A portfolio book will be required to exhibit.

Class - 4808 Career Portfolio

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

STEM

Superintendent: Brenda Hicks

Jr. Superintendent: Charlie Hensley

1. The 4-H member must be currently enrolled in the appropriate 4-H STEM project to exhibit in this division. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year.
2. 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.
3. 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.
4. Exhibitor's name, county, age, and year(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.

5. Educational posters must be no larger than a 22" x 28" poster board.
6. Project notebooks must be organized in a 3-ring binder.
7. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
8. All revisions of all forms previously released for the STEM 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.
9. Relevant documents may be obtained from Cowley County Extension Office or from www.STEM4KS.com

STEM – AG MECHANICS

1. This project allows youth to explore areas of ag mechanics and metallurgy from repairing or repurposing items to the fabrication of new items. The intent is for this program start with foundational areas, some of which youth may already have, and allow them to continue to build on this knowledge becoming more experienced.
2. 4-H members must be currently enrolled in the Kansas 4-H STEM – Ag Mechanics (Welding) project to exhibit in this division.
3. Each exhibitor may enter one exhibit per class. Exhibits must have been constructed or repaired during the current 4-H year.
4. Wheeled exhibits must utilize a braking mechanism which prevents the exhibit from freely rolling while on display.
 - Exhibitors are responsible for providing sufficient braking or “chocks” for trailer exhibits to ensure that the exhibits do not move once positioned. If using a wheel “chocking” mechanism, the two individual blocks should be connected together as a pair of chocks, so they do not become separated. At least one pair of chocks should be placed on each side of the trailer to prevent movement.
 - For trailer exhibits the tongue of the trailer should have a locking mechanism (e.g. padlock) to prevent the trailer from being moved by unauthorized individuals while being displayed. A key for the locking mechanism should be left with the superintendent and labeled with the exhibitor’s name, county, and phone number.
5. Each exhibit must be free-standing or sufficiently supported by an exhibitor supplied support system that is moveable and is part of the total demission’s and weight of the exhibit as described previously. Exhibit boards should have a portable and moveable base. No exhibits may be staked to the ground for display.
6. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display.

7. Exhibits may not be bound, affixed, attached to the Fair buildings, except by the superintendent, Fair Staff, or Extension Staff.
8. Painting or spot painting is not allowed on projects after arrival on fairgrounds. If wet paint is detected by judges or superintendents one ribbon placing will be deducted.
9. Repair projects having adequate original finish need not be repainted. Cutting surfaces, such as blades or knives, are to have a protective covering over them to prevent injury. The covering should be easily removed and reinstalled for judging. Foam “pool noodles” and multiple layers of cardboard are acceptable.
10. Display cases for small exhibits, such as knives, are acceptable, and must be easily opened so the item can be removed and examined as part of judging.
11. Exhibits that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession, or creation, physical and/or electrical that is intended to be used to inflict damage and/or harm to individuals, animal life, and/or property.
12. If the exhibit is powered by flammable liquids (gas, propane, kerosene, etc.) the fuel tank and lines should be drained and allowed to dry, to avoid spills and potential fires.
13. Electric powered (battery, corded, solar, or alternative energy) should have a primary shutoff or disconnect switch.
14. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judges’ discretion, will receive a deduction in ribbon placement or a participation ribbon.
15. The exhibitor’s name(s) and county must be tagged or labeled in a prominent location on the display.
16. Each exhibit must include an Ag Mechanics information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
17. Each exhibitor is required to complete the “4-H STEM Ag Mechanics Exhibit Information Form” which is available at www.STEM4KS.com. This form must be attached to the outside of a 10” x 13” manila envelope. Do not tie the envelope to the exhibit. All revisions of all forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year.
18. Each exhibit information packet should include the following items:
 - Bill of materials for the project with associated costs, scrap items used may be listed as having a \$0.00 cost.
 - 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state.
 - If appropriate schematics or working drawings relating to the creation or repair.
 - If appropriate, operating instructions.

INTRODUCTORY LEVEL 1 CLASSES (about 1 - 3 years of experience)

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

- Class 5550** - Welding display board – a 3 foot by 3 foot display board with different pieces of metal attached illustrating different types of welds, each weld being labeled
- Class 5551** - Level 1 Welding ag repair – repair of ag equipment with welding
- Class 5552** - Level 1 Welding ag fabrication – creation of new ag equipment with welding
- Class 5553** - Level 1 Welding general repair – repair of non-ag equipment with welding
- Class 5554** - Level 1 Welding general fabrication – creation of non-ag equipment with welding
- Class 5555** - Level 1 Welding artistic fabrication – creation of artistic or interpretive pieces with welding
- Class 5556** - Level 1 Brazing repair
- Class 5557** - Level 1 Brazing fabrication
- Class 5558** - Smithing display board – a 3 foot by 3 foot display board with different pieces of forged metal attached illustrating different forms, each form being labeled
- Class 5559** - Level 1 Smithing – A design forged with at least one formed element (twists or spirals for example)

EXPERIENCED – LEVEL 2 CLASSES (about 4-6 years of experience)

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

- Class 5560** - Level 2 Welding ag repair – repair of ag equipment with welding
- Class 5561** - Level 2 Welding ag fabrication – creation of new ag equipment with welding
- Class 5562** - Level 2 Welding general repair – repair of non-ag equipment with welding
- Class 5563** - Level 2 Welding general fabrication – creation of non-ag equipment with welding
- Class 5564** - Level 2 Welding artistic fabrication – creation of artistic or interpretive pieces with welding
- Class 5565** - Level 2 Brazing repair
- Class 5566** - Level 2 Brazing fabrication
- Class 5567** - Level 2 Smithing – A design forged with at least two different formed elements (twists and spirals for example)

ADVANCED – LEVEL 3 CLASSES (about 7 - 9 years of experience)

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

- Class 5570** - Level 3 Welding ag repair – repair of ag equipment with welding
- Class 5571** - Level 3 Welding ag fabrication – creation of new ag equipment with welding
- Class 5572** - Level 3 Welding general repair – repair of non-ag equipment with welding
- Class 5573** - Level 3 Welding general fabrication – creation of non-ag equipment with welding
- Class 5574** - Level 3 Welding artistic fabrication – creation of artistic or interpretive pieces with welding
- Class 5575** - Level 3 Brazing repair
- Class 5576** - Level 3 Brazing fabrication
- Class 5577** - Level 3 Smithing – A design forged with at least three different formed elements (twists, spirals, and bulbs for example)

MASTER – LEVEL 4 CLASSES (10 or more years of experience)

This level is designed for youth with substantial experience in the project area allowing them to master advanced techniques in the given area.

- Class 5580** - Level 4 Welding ag repair – repair of ag equipment with welding
- Class 5581** - Level 4 Welding ag fabrication – creation of new ag equipment with welding
- Class 5582** - Level 4 Welding general repair – repair of non-ag equipment with welding
- Class 5583** - Level 4 Welding general fabrication – creation of non-ag equipment with welding
- Class 5584** - Level 4 Welding artistic fabrication – creation of artistic or interpretive pieces with welding
- Class 5585** - Level 4 Brazing repair
- Class 5586** - Level 4 Brazing fabrication
- Class 5587** - Level 4 Smithing – A design forged with at least four different formed elements (twists, spirals, and bulbs for example)

STEM – ARCHITECTURAL BLOCK CONSTRUCTION

Description: The STEM ABC exhibit area has an emphasis on using architectural blocks (“Legos”) to construct dioramas. This project allows youth to explore architectural design in a three dimensional space. The intent is for this program starts with foundational ideas of architecture,

some of which youth may already have, and allow youth to continue to build on this knowledge becoming more and more experienced.

This division is not intended for youth wishing to exhibit constructed kits. Kits and non-diorama displays should not be displayed in this division. (enter store bought kits in Visual Arts; Arts & Crafts)

- 4-H members must be currently enrolled in the Kansas 4-H STEM – Architectural Block Construction project to exhibit in this division.
1. Each exhibitor may enter up to 2 exhibits but entered in different classes. Exhibits must have been constructed during the current 4-H year.
 2. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
 3. All exhibits should be placed in a sturdy see through enclosure with a top, bottom, and 4 sides. A clear tub turned upside down with the exhibit placed on the lid would be an acceptable enclosure. This is to keep exhibit components from being “scattered to parts unknown” at the fair. The outer dimensions of the enclosure are part of the total exhibit dimensions.
 4. All components used in construction should be dust free, clean, free of chips, scuffs, or cracks.
 5. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego® but other blocks are acceptable.
 6. Other components can be integrated into dioramas to illustrate architectural aspects that may be difficult to convey with traditional interlocking blocks. For example, marbles for small round objects.
 7. The use of existing “store bought” sets for major architectural elements of the display is not allowed, use of figurines from sets is allowed as are using individual bricks to create something different than the architectural component of the set it came from. “Store bought” sets should be considered an arts and crafts entry. The intent of this is to ensure fairness among exhibitors and encourage maximum creativity instead of just following a set of plans.
 8. The design should have a central theme, for example a garage, a house, a shop.
 9. Displays must have significant architectural components (walls, windows, doors, roofs, canopies, flying buttresses, etc.), landscapes are discouraged, however buildings can have a reasonable exterior landscape if it clearly linked to the architecture, for example a bike rack next to a street outside of a bicycle shop.
 10. Architectural components should have a consistent look, walls and roofs that have no pattern or consistency will be deducted one ribbon placing. The exception is for exhibits entered into the novice class.
 11. Gaps or cracks should not be visible between assembled blocks.

12. Doors should open and close, large doors can be fixed in either an open or closed position, but it should be obvious that it is a large door, windows can be either fixed or open and close.
13. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method.
14. You can use a partial wall or no wall, called a reveal, to show what is happening inside of a structure. For example only having three walls to allow an unobstructed view into a room.
15. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged.
16. The exhibitor's name(s) and county must be tagged or labeled in a prominent location on the display. Each exhibit must include an Architectural Block Construction information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
17. Each exhibitor is required to complete the "4-H STEM Architectural Block Construction Exhibit Information Form" which is available at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
18. Each exhibit information packet should include the following items:
 - At least one drawing of the desired architecture on graph paper, multiple views (top, front, side) are preferred, they do not need to be to scale. Plans encourage organizing the build process so that elements don't get forgotten. For example, a real house doesn't get built without plans. Plans also help if a part comes loose on the way to the fair, so staff can figure out where it goes.
 - 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state, these help in determining where a part might go in case something comes loose.
 - If appropriate, operating instructions for mechanical portions of the diorama.

FREE BUILD (NOT ELIGIBLE FOR KANSAS STATE FAIR)

1. Entries in these classes do not require plans. Youth can enter a creative design but it should be STEM related (airplane, car, windmill, etc).
2. Color matching/coordination not required.
3. Dimensions of exhibit limited to no taller than 12 inches , 18 inches wide and 12 inches deep.
4. Rules 17& 18 do not apply to class 5705 or 5706.

***Class 5705 - Free Build**

***Class 5706** - Free Build Diorama – any type of design, no color restrictions

Class 5710 - Intermediate (Ages 9-13)
Interlocking brick diorama built from scratch

Class 5711 - Senior (Ages 14 and up)
Advanced interlocking brick diorama built from scratch

STEM- ASTRONOMY

1. The 4-H member must be currently enrolled in the 4-H STEM - Astronomy project to exhibit in this division.
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 is available through your local K-State Research and Extension office or at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. You must also include construction plans (or a photocopy) for the telescope and place it inside the manila envelope. 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 1/2" 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.
10. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a participation ribbon.

Class 5500 - Telescope made from kit

Class 5501 - Telescope made from original design

STEM – COMPUTERS

1. The Kansas 4-H STEM Computer System 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. The actual construction of computer hardware (i.e., building a computer, electronic devices with a motherboard-based manipulation) will remain in the Energy Management division.
3. 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.
4. The 4-H members must be currently enrolled in the 4-H STEM – Computers project to exhibit in this division.
5. Exhibit must have been completed during the current 4-H year.
6. Exhibitor’s name, county or district, 4-H age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
7. See the last section for full details about exhibiting posters, display boards and notebooks.
8. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judges’ discretion, will receive a participation ribbon.

COMPUTER SYSTEMS

1. The Kansas 4-H STEM Computer System 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 system (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. OR
 - System -On-A-Chip (SOC) (such as Raspberry Pi) or a Micro-Controller (such as an Arduino or Ozobot) AND is a compact

(less than 8"X 8"X 8") system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a "chip system" through the rest of the rules.

4. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
5. "Chip system" may use/include GPIO bread boards or HATs (Hardware Attached On Top) the size of which is not included in the size of the chip system however the total size of the chip system and GPIO devices may not exceed 24"X24"X24" including any protective enclosures.
6. Any attached GPIO devices are not judged for electrical construction or quality as this division is focused on the operational aspects of the system that have automated articulated structures (arms, wheels, grippers, etc.) which the exhibitor constructed some of these systems can also be classified as a [STEM](#) robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in the both divisions.
7. For chip system, all electric components of the system must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for the electrical components.
8. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
9. For all computer system entries, the following items are required as part of an exhibit packet:
10. A manila envelope with the Computer Exhibit Form attached to the front, this form can be downloaded at www.STEM4KS.com. This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit.
11. A USB drive labeled with the 4-Hers name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
12. For exhibits that are entered on USB drives, at least one (1) graphic (picture, screen shot/capture, slide, etc.) of the project must be printed out on an 8.5" X 11" sheet of standard computer paper, placed in a plastic sheet protector, to allow for proper display and recognition at the Cowley County Fair. This is what will be displayed during the fair. On the back side of the graphic the 4-Her's name, county/district, and club should be listed.
13. 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).

14. 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.
15. The “4-H Engineer’s Journal” should start with a dated entry describing what the 4-H member is trying to accomplish/build.
16. 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).
17. 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.
18. Pictures can also be included in the “4-H Engineer’s Journal” but should not be more than 50% of the entries.
19. The “4-H Engineer’s Journal” should contain at least one graphic.
20. The “4-H Engineer’s Journal” must be at least 3 pages in length.
21. An example of a “4-H Engineer’s Journal” can be found at www.STEM4KS.com.
22. 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.
23. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive. Failure to include a copy of the “source code” may result in up to one ribbon place deduction.
24. Diagrams or decision trees showing the logical flow of the system must be included on the USB drive for all exhibits.
25. 4-H’ers 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.STEM4KS.com.
26. Each exhibit must accomplish a specific automated task using a computer, a chip system, or virtual machine (VM).
27. 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.
28. 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.

29. 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.
30. Judging will be based on a score sheet which can be found at www.STEM4KS.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.) represented as a virtual machine.
- Class 5593** - Networked system consisting of two or more computers.
- Class 5594** - Chip system- a small (4 8"X4 8"X4 8") programmed physical device that accomplishes a specific task

STEM – ROBOTICS

1. 4-H members must be currently enrolled in the Kansas 4-H STEM - Robotics project to exhibit in this division.
2. Each exhibitor may enter one robot per class. Exhibit must have been constructed and/or completed during the current 4-H year.
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
4. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer system division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer system projects as the skill is focused on the programming not on the construction of the robot.
5. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displayed in a case (not required or encouraged) the outside case dimensions may not be more than 26 inches in height, width, or depth.
6. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container,

which is not included in the robots dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container. (Examples: 4”X4”X36” or 4”X8”X18” or 6”X6”X16) The container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitors name(s) and county or district.

7. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.
8. Robots may be powered by an electrical, battery, water, air or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession or creation, physical and/or electrical that could be used to inflict damage and/or harm to individuals, animal life, and/or property.
9. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Robotic arms (hydraulic or electric) are allowed. A remote is allowed provided more than a single action happens when a single button is pressed on the remote, for example “a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds.” Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
10. Each robot must be in working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete its intended task. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot a video will be used to evaluate the working condition of the robot.
11. Each exhibitor is required to complete the “4-H STEM Robotics Exhibit Information Form” which is available at www.STEM4KS.com. This form must be attached to the outside of a 10” x 13” manila envelope. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms should result in the loss of one ribbon placing for exhibits. The exhibit must include written instructions for operation (the instructions should be written as if they were to tell a grandparent or elderly person how to operate the robot), construction plans, and one to three pages of project photographs. In addition a 5 minute video presentation placed on a CD, DVD, USB drive, or similar removable storage device, if applicable. For robots that can be programmed, robot programming information must be included, this information should be placed

inside the 10" x 13" manila envelope mentioned above. Robot programming information can be, but not limited to, source code, block diagrams, screen captures of the coding window, and other images that show the programming logic used. The exhibitor may enter their electronic project listed under the energy management program if the exhibitor so chooses. No exhibitor will be allowed to set up their robot in person.

12. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device's safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.
13. Creativity, workmanship, and functionality will be strong criteria in judging the "Robot designed by Exhibitor" classes. All robots should have a purpose or intended function, examples include, but are not limited to: following a line, sweeping the floor, solving a rubix cube, sorting colors, or climbing stairs.
14. Exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the robot.
15. See the last section for full details about exhibiting posters, display boards and notebooks.

JUNIOR 7-8 YEARS OF AGE (NOT ELIGIBLE FOR STATE FAIR)

- ***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 5519** - Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device
- ***Class 5543** - Junk Drawer Robotics

INTERMEDIATE 9-13 YEARS OF AGE

- Class 5509** - Robot made from a commercial (purchased) kit. (No programming, just assembly.)
- Class 5510** - Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 5511** - Programmable robot made from a commercial (purchased) kit.
- Class 5546** - Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device.

Class 5544 - Junk Drawer Robotics

SENIOR 14-18 YEARS OF AGE

- Class 5513 -** Robot made from a commercial (purchased) kit (No programming, just assembly)
- Class 5514 -** Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
- Class 5515 -** Programmable robot made from a commercial (purchased) kit.
- Class 5547 -** Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device.
- Class 5545 -** Junk Drawer Robotics

TEAM ROBOTICS PROJECT

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

STEM – ROCKETRY

Exhibit Information for ALL Rocketry categories:

1. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
2. Relevant documents may be obtained at www.STEM4KS.com
3. NAR refers to the National Association of Rocketry and its governing board.
4. Tripoli refers to the Tripoli Rocketry Association and governing board.
5. All NAR documents, with the exception of the “pink book,” referenced herein can be found at <http://www.nar.org>.
6. If a fire burn ban is in effect for Cowley County, exhibitors are not required to launch their rocket(s). All requirements for the launching of rockets for the fair and the documenting of the launching are suspended for the duration of the ban.

7. See the last section for full details about exhibiting posters, display boards and notebooks.

Exhibit Definitions for ALL rocketry categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is “any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle.” The intent of scale modeling is, according to the NAR, “to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish, and flight performance.” (NAR “Pink Book” 50.1 4-1)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H STEM a mid-powered rocket is defined as a rocket that uses an ‘E’, ‘F’, ‘G’, or equivalent engine for launch. In addition, rockets also qualify for mid-power if they meet any of the following criteria:
 - Is 2 inches or greater in diameter (not including fins) and taller than 3 feet (36 inches including fins) and do not use an engine(s) exceeding 160.01 Newton seconds of total impulse (an ‘H’ engine equivalent or above).
 - The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds and less than 160.01 Newton-seconds.
4. For the purposes of Kansas 4-H STEM a high-powered rocket is defined as a rocket that meets any of the following criteria:
 - Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch;
 - Uses a ‘H’ engine or larger to launch
 - The total impulse of all engines used in the rocket is greater than 160.01 Newton-seconds of thrust.
 - Includes any airframes parts of ductile, metal, though, the use of ductile metal is strongly discouraged.
 - Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.:
 - A. Average thrust in excess of 80.01 Newtons
 - B. Contains in excess of 125 grams of propellant and are limited to only H and I motors.
 - C. Uses a hybrid motor or a motor designed to emit sparks
5. High power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR or Tripoli and maintaining that certification. This applies to all membership levels in the NAR and Tripoli. Specifically the “Formal Participation Procedure” for the “Junior HPR Level 1 Participation Program” as outlined by the NAR and the “Tripoli Mentoring Program (TMP) as outlined by Tripoli.

6. NAR rules for launching and construction of all rockets are assumed to be used by all 4-H STEM exhibitors and will be considered during judging.
7. For the purposes of Kansas 4-H STEM, NO rocket may be launched using engines totaling more than an '1' 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 STEM division.

1. 4-H members must be currently enrolled in the 4-H STEM-Rocketry program to exhibit in this division.
2. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a "model rocket kit" or the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
3. The report that accompanies the rocket must be limited to the 4-H STEM Rocket Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the rocket stand or rocket. The information form should be signed by the exhibitor. This may be downloaded from www.STEM4KS.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.
 - If a rocket kit has been modified structurally (Which must provide all necessary details to construct an original design rocket.), notations need to be given indicating the changes made, either by notations on the Rocket Exhibit Information Form or by placing notes in the plans. Such modifications require the rocket to be swing tested and documented to show a stable flight.
5. One or more photographs of the rocket during construction and at the launch site are required.
 - Photographs showing the rocket at the moment of ignition are preferred.
 - Photographs must be mounted on one side of 8 1/2" x 11" page(s).
 - There must be at least 1 page of photos and no more than 5 pages of photos.
 - Include at least one photo showing rocket construction, preferably with the exhibitor included.
 - 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.
 - Pictures at the launch site are not required in the event of a burn ban.
6. To exhibit in this division:
 - The rocket must have been flown, unless a burn ban is in effect.
 - 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.
 - No model may be submitted on a launch pad.
 7. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.
 8. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.
 9. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeter, computer software, range finders, etc. If additional space is needed to show calculations of how the altitude was achieved one additional page may be added to the rocketry information pack.
 10. Flight damage is to be documented by the participant on either the construction plans, an additional sheet of paper titled "flight damage" or the 4-H STEM Rocket Exhibit Information Form.
 11. The judging of flight damage is to be secondary to all other aspects of the model and only then may it even be considered. However under no circumstance may flight damage be grounds for disqualification.
 12. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
 13. If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and cannot be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not possible to make a full and immediate assessment of the safety of the rocket when it is being judged and safety is paramount.
 14. Engines may not be used as display stands hollowed out or otherwise. This is a significant change from previous year's rules. Engines used as a display stand will be subject to immediate disqualification.
 15. Rocket engines should not be used to join multi-stage rockets together.

- Multi-stage rockets can be displayed without having the stages connected together. In that case the final stage (the one with the nose cone) should be placed on the display stand, and other stages with a loop of string to the display stand.
 - The different stages must be included to complete the rocketry exhibit, incomplete exhibits will be deducted at least one ribbon placing.
 - Use of any engines to join the stages together will be subject to immediate disqualification.
16. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
 17. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. All information necessary will be given to the NAR and/or TRIPOLI for investigation and possible revocation of membership.

Construction Rules for All Rockets

Purpose: These rules apply to the construction of all rockets displayed in the STEM 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.
 - 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.
 - Fin assemblies that are printed using a 3D printer are excluded from this rule. Through detailed instructions on the creation of the fin assemblies must be provided and an additional page of photos may be included to show the creation/printing of fin assemblies.

4. Angles of fins must fall within a plus or minus 2 degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from www.STEM4KS.com.
5. Fins should be rounded or streamlined according to instructions. If the other edges are rounded to reduce drag on all exposed sides, there should be no ribbon deduction, unless instructions indicate to leave flat. Or instructions say to round and rounding was not done.
6. Fins and body tubes are to be sealed with sanding sealer and/or primer to eliminate the appearance of body grooves and wood grain.
7. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
8. Engine mounts are to be securely attached to the body tube.
9. Any seams on plastic parts are to be sanded smooth.
10. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials. However, foam may not be used for external body or other external rocket parts.
11. The nose cone is to fit snugly but still allow for easy removal.
12. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly.
13. Non-standard surfacing (such as textured paint) may be used if directed by the instructions, this includes scratch built rockets.
14. Models may not be judged based on their paint scheme (colors and placement on the rocket), with the exception of rockets that fit the definition of a 'scale model.' All other rockets do not have to follow the suggested paint scheme, allowing the 4-H'er to display maximum creativity in the finishing of their rocket. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move a non-scale model from one ribbon placing to another.
15. "Scale models" may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
16. Scale Model Rockets are to be finished and completed with a majority (greater than 70%) of decals.
17. If a modification is made to the rocket, for example, adding a fin, a swing test must be conducted on the rocket, and the documentation provided. Failure to test and document flight stability following modifications will result in two ribbon placing deductions.

Model Rocketry Specific Guidelines (ages 7 and up):

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

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

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

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

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

Division- Beginner Rocketry

1. County Fairy ONLY. Rocket may be made from a kit with plastic fine or any other materials. This class does not require the rocket to be launched, nor the documentation packet.

Class 5523 – Beginner Rocketry

Division A - Exhibitors 7 through 13 years old

Class 5520 - Rocket made from kit. Include plans.

Class 5537 - Scale Model Rocket made from kit includes plans

Division B - Exhibitors 11 through 13 years old

(7-10 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.

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

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.

Class 5539 - Scale Model Rocket made from kit. Include plans.

Class 5540 - Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

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.

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

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.

The rules for ALL categories apply.

In addition to the information packet completed for all rockets, a high/mid power information form is to be completed and placed inside of the information packet. This may be downloaded from

<http://www.kansas4-H.org/>. Click on KSF Packet link.

Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.

The NAR Model Rocket Safety code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR Model Rocket Safety Code that is in effect

as of October 1st of the current year. However in the event that there is a modification in this code the STEM Action Team may review and implement the modified code.

All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.

High power rockets as defined above ('H' or 'I' engines) may not be launched in this division.

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.

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

Division E - Exhibitors 14 years and older

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

High Power Rocketry ('H' or 'I' engines) Guidelines:

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high power information form is to be completed and placed inside of the information packet. This may be downloaded from www.STEM4KS.com.
4. Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.
5. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However in the event that there is a modification in this code the STEM Action Team may review and implement the modified code.
6. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
7. For rockets launched using an engine(s) that 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).

8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information.
9. High Power Rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division F - Exhibitors 14 years and older

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

STEM- UNMANNED AERIAL SYSTEMS

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

1. The 4-H members must be currently enrolled in the 4-H STEM project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year.
3. The information that accompanies the UAS must be limited to the 4-H STEM Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the UAS. This may be downloaded from www.STEM4KS4H.com. Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon. All revisions of forms previously released for the STEM division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
4. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. Unmanned Aerial Systems that include or depict weaponry of any kind will be disqualified.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. If modifications are made to the exhibit a page should be attached noting those modifications.

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

Junior and Intermediate Division - 7-13 years old

- Class 5701** - Unmanned Aerial System designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- Class 5702** - Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

Senior Division - 14 years and older

- Class 5706** - Unmanned Aerial Systems designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- Class 5707** - Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

4-H STEM EDUCATIONAL EXHIBITS –
POSTERS, NOTEBOOKS AND DISPLAY BOARDS

Purpose: To allow 4-Hers to explore STEM outside the bounds of traditional projects for rockets, robotics, astronomy, computers and unmanned aerial systems. All posters, notebooks and display boards are listed in this section and have been removed from the individual sections to save space.

1. The General Exhibit rules for ALL categories apply.

2. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
3. Exhibits are to have a **clear link to the STEM areas** of astronomy, computers, rocketry, robotics, or unmanned aerial systems, educational exhibits outside of these STEM areas should be displayed in the other program areas.
4. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
5. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have increased while completing the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet will be available at www.kansasSTEM.com. For example, a rocket that may have crashed and/or is highly damaged may be made into an educational display or poster that tells a great story with many lessons learned.
6. Follow copyright laws, citing all sources of information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards.
7. Educational displays are not to exceed a standard commercial 3'x 4' tri-fold display board. Care should be taken to use durable materials that will withstand Cowley County Fair conditions.
8. "Construction Kits" that are part of Educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 1' X 2' X 2' and must have a latch which securely keeps all components contained in the "Construction Kits". Other components are to adhere to appropriate dimensions as stated elsewhere.
9. Educational Project notebooks must be organized in a 3-ring binder.
10. Any three dimensional poster or display board exhibits may not be thicker than 2".
11. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
12. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the notebook, and/or "Construction Kit,." For education displays and/or posters the exhibitor's name, county, or district, age, and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in one ribbon placing deduction.

13. Exhibits should possess the following qualities (in no particular order):

- A Central theme
- What you want others to learn
- Be designed and constructed in a manner befitting the exhibit
- Be something you are interested in
- Be related to Astronomy, Computer systems, Robotics, Rocketry, or Unmanned Aerial Systems
- As well as those characteristics described above.

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

Astronomy - Junior and Intermediate Division – 7-13 years old

Class 5731 - Junior Astronomy Educational Display

Class 5732 - Junior Astronomy Educational Notebook

Class 5733 - Junior Astronomy Educational Poster

Astronomy- Senior Division – 14 years and older

Class 5736 - Senior Astronomy Educational Display

Class 5737 - Senior Astronomy Educational Notebook

Class 5738 - Senior Astronomy Educational Poster

Rocketry Intermediate Division 9-13 years old

Class 5741 - Rocketry Educational Display

Class 5742 - Rocketry Notebook

Class 5743 - Rocketry Poster Board

Rocketry Senior Division - 14 years and older

Class 5746 - Rocketry Educational Display

Class 5747 - Rocketry Notebook

Class 5748 - Rocketry Poster Board

Robotics Junior Division 7-8 years old

Class 5751 - Robotics Educational Display

Class 5752 - Robotics Educational Notebook

Class 5753 - Robotics Educational Poster

Robotics Intermediate Division - 9-13 years old

Class 5756 - Robotics Educational Display

Class 5757 - Robotics Educational Notebook

Class 5758 - Robotics Educational Poster

Robotics Senior Division - 14 years and older

Class 5761 - Robotics Educational Display

Class 5762 - Robotics Educational Notebook

Class 5763 - Robotics Educational Poster

Robotics Team Robotics Project

Class 5766 - Team Robotics Educational Display

Class 5767 - Team Robotics Educational Notebook

Class 5768 - Team Robotics Educational Poster

Computers - Intermediate and Junior Division – 7-13 years old

Class 5771 - Junior Computer Educational Poster

Class 5772 - Junior Computer Display Board

Class 5773 - Junior Computer Notebook

Computers - Senior Division – 14 years and older

Class 5776 - Senior Computer Educational Poster

Class 5777 - Senior Computer Display Board

Class 5778 - Senior Computer Notebook

Unmanned Aerial Systems - Intermediate and Junior Division –
7-13 years old

Class 5781 - Junior Unmanned Aerial Systems Educational Poster

Class 5782 - Junior Unmanned Aerial Systems Display Board

Class 5783 - Junior Unmanned Aerial Systems Notebook

Unmanned Aerial Systems - Senior Division – 14 years and older

Class 5786 - Senior Unmanned Aerial Systems Educational Poster

Class 5787 - Senior Unmanned Aerial Systems Display Board

Class 5788 - Senior Unmanned Aerial Systems Notebook

WOODWORK

Superintendent: Liza Poovey

1. Exhibits in Classes will be limited to one article in each class, thus no member shall exhibit more than six articles.
2. The plan from which it was constructed must be with the article exhibited. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide. Please note: a set of step by step instructions is not a plan.
3. Exhibits with missing or insufficient plans will be docked one ribbon placing and the corresponding premium.
4. The use of materials other than wood should be kept to a minimum.
5. Projects that have unsecured glass, i.e., glass shelves, glass top of a coffee table, etc., should not be brought to the fair. Glass that is secured in the project, i.e., glass front of a gun case or cabinet, etc., is permissible since it cannot be easily removed.

6. Projects made from pre-cut kits are not allowed.
7. In judging woodwork articles, consideration will be given to: Workmanship, including accuracy to the plan; Design; Choice of wood; Suitability and quality of finish; and Usefulness.
8. Firearms and weapons are not to be entered or exhibited.
9. 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.

Class 0470 - Woodwork Article for farm or shop use

Class 0471 - Lawn Furniture

Class 0472 - Household Furniture

Class 0473 - Article made from a kit

Class 0474 - Miscellaneous articles not included in above 3 classes. Examples: doorstops, knife racks, cutting boards, bird feeders, household equipment.

Class 0475 - Piece of repaired and refinished furniture with brief explanation of the work completed, attached to the exhibit.

DOG SHOW

Superintendents: Kerri McIntyre-Murphy

- **Showmanship:** The purpose of Showmanship is to provide 4-H'ers the opportunity to show their dog and themselves to the best of their ability.
- **Obedience:** The purpose of Kansas 4-H Obedience is to provide 4-Hers the opportunity to demonstrate the teamwork necessary to work under a variety of conditions. In obedience, the intent is to evaluate the proficiency by which the dog and handler are able to perform various exercises as a team in much the same way as might be done in demonstrating the behavioral activities in normal life.
- **Agility:** The purpose of Kansas 4-H Dog Agility is to provide 4-H members the opportunity to demonstrate the teamwork necessary to work under a variety of conditions that challenge both the handler and dog. By teaching a series of obstacles, the 4-H'er provides the basic training and exercise that leads to a more versatile, well-conditioned dog. Different obstacles and courses present unique tests of speed, confidence, technical skills, athleticism, balance, communication, attentiveness, distance, and directional control. The task of leaders, judges, trainers, and handlers is to incorporate all these elements while maintaining a fun, safe environment for the dogs and 4-H'ers. The sport of agility provides a basis for other activities such as search and rescue. Agility is exciting for both exhibitors and spectators, as well as motivating for the dogs.

- **Rally:** The purpose of Kansas 4-H Rally Obedience is to provide 4-Hers the opportunity to demonstrate the teamwork necessary to work under a variety of conditions. In Rally Obedience, the intent is to evaluate the proficiency by which the dog and handler are able to perform various exercises as a team in much the same way as might be done in undertaking different activities outside the show ring.
1. 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.
 2. No identifying uniform can be worn in the show ring.
 3. Any outward abuse of a dog on the fairgrounds will result in disqualification.
 4. 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.
 5. Classes marked with an asterisk (*) are ineligible for State Fair competition.
 6. Baiting dogs is not allowed.
 7. 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.
 8. 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 0480** - Subnovice A: First year handler exhibiting a first year dog. All exercises done on leash.
- ***Class 0481** - Subnovice B: Experienced handler exhibiting a first year dog.

- Class 0482** - Novice: For all project members who have qualified through Subnovice B and Second year project members and above.
- Class 0483** - Graduate Novice: For experienced 4-H'ers with dogs who have scored at least 170 points in Novice A or Novice B.
- Class 0484** - Open A: For all 4-H'ers and dogs who have qualified in graduate novice.
- Class 0485** - Open B: For all 4-H'ers and dogs who have qualified in preliminary Open A.
- Class 0486** - Utility A: For all 4-H'ers with a dog that qualified in Open B and passed. All exercises off leash.
- Class 0487** - Utility B: For all 4-H'ers with a dog that qualified in Utility A and passed. All exercises off leash.

DIVISION - SHOWMANSHIP

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 0488 - Senior Showmanship (14-18)

Class 0489 - Intermediate Showmanship (10-13)

Class 0490 - Junior Showmanship(7-9)

*Age classifications are before January 1 of the current year.

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

DIVISION - RALLY OBEDIENCE

Note: Rally Level I is on lead and for local shows only

Class 0491 - Rally Level I (on lead and for local show only)

Class 0492 - Rally Level II

Class 0493 - Rally Level III

Advancement: After receiving two qualifying scores (blue or purple) from two different judges, a rally obedience team must advance to the next level at the start of the next 4-H year.

CLOVERBUDS

Superintendent: Stephanie Mackey

1. CloverBuds is a non-competitive division for CloverBuds members ages 5 and 6. Each exhibitor will receive a participation ribbon. No premiums will be given in the CloverBuds division.
2. CloverBuds will be allowed to showcase one CloverBuds activity (foods and nutrition, clothing buymanship, arts and crafts, photography, plant science, heritage arts, pets).
3. Exhibitors will conference with the judge to discuss their project experience Saturday of the fair, at 12:30 p.m. in Barn 4.
4. CloverBud participants should pre-enter in only one class and sign-up on Thursday for a Saturday conference time.

***Class 0510** - Cloverbuds Clothing Buymanship (Cloverbuds can model at public review on July 25)

***Class 0511** - Cloverbuds Foods and Nutrition

***Class 0512** - Cloverbuds Visual Arts (may include ceramics, arts and crafts, or sketching and drawing)

***Class 0513** - Cloverbuds Pets (Amphibians - Frogs & Toads, Ant Farms, Cats, Dogs, Fish, Gerbils, Guinea Pigs, Hamsters, Mice, Parakeets, Rabbits, Rats)

***Class 0514** - Cloverbuds Plant Science

***Class 0515** - Cloverbuds Photography

***Class 0516** - Cloverbuds Heritage Arts

FAMILY AND CONSUMER SCIENCES JUDGING CONTEST

1. Open to any bonafide 4-H member in the county regardless of project enrollment.
2. Members participate as individuals.
3. Age groups will be as follows: Beginners 4-H division (age 7-8); Intermediate 4-H division (age 9-13); Senior 4-H Division (age 14 and over).
4. Youth who participate in at least 2 contests (either in person or virtual) may qualify for the State Fair judging team (ages 9-18).
5. An online contest option will be available in early July.
6. An in person contest will be Tuesday, July 25, 2023 from 9:00 a.m. to 12:00 p.m. at Cowley College, Brown Center, Arkansas City.

TEAM LIVESTOCK FITTING CONTEST

1. What is a team fitting contest?

The purpose of a fitting contest is to encourage 4-H member teamwork while enhancing the animal fitting skills of the team members.

2. Each fitting team provides their own grooming equipment and supplies.

3. Judges typically evaluate the following:

- Ability to fit the animal/fitting techniques (within a limited time frame).
- Organization of supplies and equipment
- Participation of each team member (teamwork and safety)
- Overall effect/final results
- Showmanship of the animal (one team member performs Showmanship).

FITTING CONTEST RULES

1. The fitting contest is for fun and education!

2. One overall winning team will be selected at the Fitting Contest Winners and will receive recognition in the form of a prize.

3. All teams will receive participation recognition.

4. Consider forming your team with different age groups.

5. A maximum of three (3) contestants per team.

6. The team must have a team name.

7. Arrive early to the contest and have your equipment ready.

8. When the contest starts, you may not leave the arena.

9. **ABSOLUTELY NO COACHING FROM SPECTATORS.**

10. No adults will be allowed in the arena during the contest except the judge and superintendents.

11. Sheep/Goat teams will have 30 minutes to finish.

12. Beef teams will have 45 minutes to finish.

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:
 - Novice Division (any age receiving help)
 - Junior 4-H Division (age 7-13)
 - Senior 4-H Division (age 14 and over)
 - 4-H/FFA Alumni Division (No College Livestock Judging Team Participants)
 - A. Suggested donation of \$5 (cash only) for all Alumni Division
 - B. Winning Alumni Division has choice of 4-H Club or FFA Chapter the pooled funds will be awarded to.
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

Buckles sponsored by Tatum Farm & Ranch

Garment Bag sponsored by Tatum Farm & Ranch

Plaques sponsored by American AgCredit

AGRICULTURAL CHALLENGE OF CHAMPIONS

Monday, 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 \$200 to the winner, to be awarded if the winner participates in the Kansas State Fair Agricultural Challenge of Champions Contest.



Cowley is Family.

Cowley is for YOU!

The college enrollment process does NOT have to be overwhelming. When you choose to be a Tiger you're choosing a support system to help you along every step of your college journey!



COWLEY[®]
COLLEGE

cowley.edu | 800.593.2222