



# PHILLIPS COUNTY FAIR

JULY 26-30, 2024

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**K-STATE**  
Research and Extension



Phillips Rooks  
District



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K-State Research and Extension is committed to providing equal opportunity for participation in all programs, services and activities. Program information may be available in languages other than English. Reasonable accommodations for persons with disabilities, including alternative means for communication (e.g., Braille, large print, audio tape, and American Sign Language) may be requested by contacting the event contact Cindy Walker four weeks prior to the start of the event, June 28, 2024, at 785-543-6845 or [cindywalker@ksu.edu](mailto:cindywalker@ksu.edu). Requests received after this date will be honored when it is feasible to do so. Language access services, such as interpretation or translation of vital information will be provided free of charge to limited English proficient individuals upon request.

**Kansas State University Agricultural Experiment Station and Cooperative Extension Service.**

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



8:00 AM Consultation judging of 4-H Foods & Nutrition and Photography exhibits (schedule posted on [Phillips County 4-H Wakelet](#)), followed by judging of Open Class Foods and Photography

9:00 AM Consultation judging of 4-H Visual Arts exhibits (schedule posted on [Phillips County 4-H Wakelet](#))

10:00 AM Judging of Market Wheat Show

11:00 AM Consultation judging of 4-H Fiber Arts, followed by judging of Open Class

12:00 PM Consultation judging of 4-H Forestry

12:00 PM Judging of Agronomy and Horticulture & Landscape Design

**1:00 PM 4-H BAKE SALE**

1:00 PM Judging of King Arthur Baking Contest and other Open Class entries

1:00 PM Consultation Judging of 4-H Electric & Renewable Energy, Ag Mechanics and FFA Ag Education

1:30 PM Consultation Judging of 4-H Woodworking, followed by judging of Open Class

2:00 PM 4-H Cloverbuds' Project Showcase

2:00 PM Consultation Judging of 4-H Posters, Notebooks, Displays, Veterinary Science and Self-Determined

3:00 PM Consultation Judging of 4-H Entomology, Geology, Wildlife, Aerospace/Rocketry, Astronomy, Building Block Engineering, Computer Science, Robotics, Uncrewed Aerial Systems, Interior Design & Architecture, High School FCS and Scouts

3:00 PM 4-H Foods Premium Silent Auction Opens- Overall Grand and Reserve Champion, Champion Cake, Champion Layer Cake, Champion Whole Wheat Food, Champion Cookie, Champion Yeast Bread, Champion Pie and Champion Quick Bread

4:00 PM Judging of Booths and Banners

**5:00 - 9:00 PM FAMILY FUN NIGHT**

5:00 - 6:00 PM Check-in and weigh-in of Market Hogs, Sheep, Goats and Beef

6:00 PM Animals must be in place

10:00 PM Building Closes

#### **SATURDAY, JULY 27<sup>TH</sup>**

7:00 AM Building Opens

8:00 - 9:30 AM Continued check-in and weigh-in of Market Beef

8:00 AM 4-H Poultry Show, followed by Open Class

8:00 AM 4-H Dog Show- Showmanship, Obedience and Agility, followed by Open Class

11:00 AM 4-H Rabbit Show, followed by Open Class

12:00 PM Consultation judging of 4-H Hand Pets and Cats

1:00 - 3:00 PM 4-H Entomology, Life Skills and Photography Judging Contests

4:30 PM Peterson Brothers Performance

6:00 PM 4-H/FFA Sheep Show, followed by Open Class

7:00 PM 4-H/FFA Dairy/Meat Goat Show, followed by Open Class

10:00 PM Building Closes

#### **SUNDAY, JULY 28<sup>TH</sup>**

7:00 AM Building Opens

8:00 AM Ministerial Alliance Church Service

9:00 AM Pee Wee Swine Showmanship

9:00 AM 4-H/FFA Swine Show, followed by Open Class

1:00 PM Pet Parade

4:00 PM Bucket Calf/ Returning Bucket Calf/ Dairy Cattle/ Beef Show- for each division 4-H/FFA will show first, followed by Open Class

10:00 PM Building Closes

#### **MONDAY, July 29<sup>TH</sup>**

7:00 AM Building Opens

9:00 AM Round Robin Showmanship

11:00 AM Crop and Horticulture Judging Contest

11:00 AM Celebrity Showmanship

12:00 PM Horses Released

1:00 PM 4-H/FFA Livestock Judging Contest

4:00 PM Meal set-up for youth selling animals in the 4-H/FFA Premium Livestock Auction

4:30 PM Presentation of Judging Contest Awards

5:00 PM 4-H/FFA Premium Livestock Auction Buyer Appreciation Meal

6:00 PM 4-H Foods Premium Silent Auction Closes

6:15 PM 4-Hers selling items in 4-H Foods Premium Silent Auction report to silent auction display case to prepare for buyer presentations and pictures prior to livestock auction

6:30 PM 4-H/FFA Premium Livestock Auction

8:00 PM Booth Tear Down

10:00 PM Building Closes

#### **TUESDAY, July 30<sup>TH</sup>**

7:00 AM Building Opens

7:00 - 8:00 AM CHECK OUT ALL EXHIBITS

8:00 AM Clean Up

**10:00 AM BUILDING CLOSSES**

**Please help us thank the following award sponsors for their generosity!**

**YOUTH DIVISION**

**Beef**

Dave & Deb Alexander  
B & D Feeds  
Floy & Karen Bruning  
Patrick & Jessica Chester  
Dan & Melissa Johnson  
Double J Herefords  
Duncan's C Lazy J Ranch  
Allen & Stephanie Dusin  
Dusin Ranch  
Farmers National Bank  
Charles & Wanda Gower  
Greving Farms  
In Memory of Elda Mae Hanke  
Avery Hopson Family  
Shane Jarvis  
Stuart & Donna Jarvis  
Wendell & Beverly Jarvis  
Jones Feed and Seed  
Brian & Pam Taylor  
Justin & Kelly Taylor  
T Arrow Cattle  
TJ Ranch  
Trinity Ag  
Robert and Rod Quanz

**Dairy Cattle**

Jason & Tina Dennis Farm (In Memory of Larry Dennis)  
Brian and Pam Taylor

**Dairy Goats**

Lois Haas  
Dustin Kendall (In Memory of Hollie Kendall)

**Meat Goats**

Austin & Trevor Dierking  
Kiser Ag  
Bohl Farm & Auto  
2J Goats

**Sheep**

Marvin Fehlman  
Hometown Market  
Duncan's C Lazy J Ranch  
Kiser Ag  
Rachael Brooke  
Prairie Land Electric  
Day Dream Club Lambs

**Swine**

Chester Show Pigs  
Allen & Stephanie Dusin  
Wendell & Beverly Jarvis

**Horse**

Brian Anderson  
Savannah Bretton  
Chester Performance Horses  
Gloria DeWitt (In Memory of Jerry DeWitt)  
Dierking Family  
Morris & Julia Engle  
Braxtyn Feik & Prentice Feik  
Ferguson Angus  
First National Bank and Trust  
Fort Bissell Saddle Club  
John & Myrna Goracke  
Grace Grau  
Clark & Rita Hopson  
Iowa Union 4-H Club

**Horse (continued)**

Dustin Kendall (In Memory of Hollie Kendall)  
JP Performance Horses  
Cody and Kimberly Meili  
Randy & Ellen Runnion  
Tien Quarter Horses  
Troy & Wendy Turner  
Tom & Bonnie Weinman

**Showmanship**

The Animal Hospital at the Crossroads  
Black Dog Veterinary  
Henry Bohl Farms  
Rick & Robin Chester  
Deer Creek Ranch  
Austin & Trevor Dierking  
John & Kathi Ebner  
Farmhouse Kitchen & Catering  
Farmers & Ranchers Outlet  
Farmers State Bank  
Marvin Fehlman  
First Agency of Logan  
Jack & Sherry Gager  
Girard Family  
Konnie Jarvis (In Memory of John Jarvis)  
Michael & Shannon Kats  
Dustin Kendall (In Memory of Hollie Kendall)  
Kensington Locker  
Jim & Becky Lanier  
Cody & Kimberly Meili  
Mapes & Miller  
Doug & Nancy Molzahn (In Memory of Chassidy Breese)  
Marcia Nelson (In Memory of Mary Cates)  
Phillipsburg Locker  
Sheary Pumphrey  
Puppy Luv Cockers  
Anna Schremmer  
Suchsland Veterinary Service  
Justin & Kelly Taylor  
Tien Quarter Horses  
Van Allen Seed  
Alan & Sherry Woodside  
2 J Goats

**Round Robin**

Phillips County Abstract & Title Company  
Colonel & Mrs. Jake Jones Award  
Trinity Ag

**Aerospace/Rocketry**

Doug & Darcie Van Allen  
Girard Family

**Agronomy**

Trinity Ag

**Cloverbuds**

Anonymous

**Dog**

Prairie Land Electric  
Puppy Luv Cockers  
Refined Custom Creations  
Red Barn Pet Lodge & Grooming  
B & B Redimix

**Electric & Renewable Energy**

J & R HVAC/R LLC

**Entomology**

Farmers National Bank

**FFA Agriculture**

First National Bank & Trust  
Derek & Alicia Post

**Fashion Revue/Shopping in Style Revue**

Diamond R Siding  
Farmers National Bank  
Bernard & Myrna Townley  
Doug & Darcie Van Allen  
Mick & Pat Van Allen  
Louis & Connie Zillinger

**Fiber Arts**

Prairie Land Electric Cooperative  
Marcia Paulsen Memorial Award  
The Shepherd's Studio  
The Shepard's Studio (*In Honor of Lynne Lohmeyer*)

**Foods & Nutrition**

Kassandra DeWitt  
Duncan's C Lazy J Ranch  
Robert & Jane Harger  
Michael & Shannon Kats  
Sue Kipp  
Lone Prairie 4-H Club  
Sawyers ACE Hardware  
White's Foodliner  
Trinity Ag

**Forestry**

Kiser Ag  
Justin & Kelly Taylor

**Geology**

Ron Wyckoff

**Horticulture & Landscape Design**

John & Kathi Ebner  
Bud & Michele Malmberg

**Interior Design & Architecture**

Phillip & Janet Gottstine  
Nyland Fire Extinguisher Service

**Judging Contests**

Gloria DeWitt (*In Memory of Jerry Witt*)  
Farmers National Bank  
Farmers State Bank  
First National Bank  
Kenny & Betty Hrabe  
Wendell & Beverly Jarvis  
Blaine & Candace Krafft  
Jason & Myndi Krafft  
Cody & Kimberly Meili  
Kristin Nash  
Prairie Land Electric  
Rock N 3 Farms

**Notebooks and Posters**

Terry & Deb McConnell  
Tim & Robin Van Laeys  
Farmers National Bank

**Pets & Cats**

Dana Grammon Agency  
Bohl Farm & Auto  
Prairie Land Electric

**Photography**

The Advocate of Phillips County

Kenny & Diane Stockman

**Poultry**

Gary & Deb Robinson  
H & R Block

**Rabbits**

Farmers National Bank  
Sunnyside 4-H Club

**Robotics**

First National Bank  
Terry & Deb McConnell  
Mapes & Miller

**Self-Determined**

Tim and Robin Van Laeys

**Sewing & Textile Design**

Allen & Stephanie Dusin  
Farmers National Bank  
Mick & Pat Van Allen (*In Memory of Maxine Van Allen*)

**Visual Arts**

Rick & Robin Chester  
Jessup Art Studio  
Paul & Kathy Merklein  
Monica Riggs  
Sign Solutions

**Wildlife**

Van Allen Seed  
Jack & Sherry Gager

**Woodworking**

Kim Babcock (*In Memory of Greg Babcock*)  
Trinity Ag

**High School FCS**

Phillip & Janet Gottstine  
Louis & Connie Zillinger  
Phillipsburg High School FCCLA  
Prairie Land Electric  
**Scout Division**  
Don & Tina Blew  
Stateline Awards  
H & R Block  
Sawyer's Ace Hardware

**OPEN CLASS**

**Fine Arts**

Delores Knowles  
Material Girls Quilt Club  
North Star F.C.E.  
Phillip & Janet Gottstine  
Stitch & Chatter Quilt Shop

**Foods**

Cher Greving

**Barn Quilts**

Jessie Wyrill  
John & Kathi Ebner

**Horticulture**

Garrett Insurance Agency  
Blossoms & Butterflies

**Photography**

The Advocate of Phillips County

**Poultry**

Matthew & Rachel Russell

**Sheep**

Robert & Jane Harger

## GENERAL RULES

1. The Phillips County Fair Association Executive Committee reserves the right to interpret these rules and regulations and arbitrarily settle all questions arising in connection with the Fair that shall be held under the management of this board.
2. The management reserves the right to amend or add to these rules as they, in their judgment, deem advisable, should a conflict of general and/or specified rules arise.
3. Any person who violates any general and/or special rule may, in the discretion of the Executive Committee, be subject to such penalty as the Executive Committee may determine, up to and including the forfeiture of all privileges and premiums.
4. Any person having a complaint shall submit such complaint to the Grievance Committee, which is composed of the following members: 4-H Council President, Vice President and Advisor; FFA Presidents and Advisors, and Fair Board President, Vice President and Secretary. Additionally, the Phillips County Extension Agents shall serve on the Grievance Committee in an advisory capacity. All grievances must be submitted in writing to the Phillips-Rooks Extension District Phillipsburg Office. The grievance must be signed and identify who the grievance is against, as well as those persons knowledgeable about the issue. A copy of the grievance will be provided to all individuals involved. The grievance will be reviewed within 24 hours. If the grievance is submitted at a time outside of the Phillips County Fair, the Phillips County Extension Agents will determine a time to review the grievance.
5. **All 4-H/FFA fair pre-entries must be submitted online. Sewing & Textile Design, Fashion Revue and Shopping in Style Revue entries close at 11:59 p.m. on July 8th. All other 4-H/FFA entries close at 11:59 p.m. on July 15th. Entries submitted after deadline will forfeit all awards and premium monies. If deadline falls on a weekend, the following Monday will be observed.**
6. Any individual may exhibit in Open Class competition, but only members of Phillips County 4-H clubs, Logan FFA and Phillipsburg FFA may exhibit in the 4-H/FFA Division. High School Family & Consumer Science students in Phillips County are eligible for Family and Consumer Science Divisions. Only those individuals who are registered members of the Phillips County Boy Scouts and Girl Scouts can enter in the Scout Division. THE SAME PROJECT (Ex. - bucket calf, cat, dog, etc.) CANNOT BE SHOWN IN BOTH 4-H/FFA AND OPEN CLASS AT THE PHILLIPS COUNTY FAIR.
7. FFA members are eligible to enter Beef, Sheep, Swine, Meat Goat, Dairy Goat, Dairy Cattle, Horse, Poultry, Rabbits, Agronomy, Horticulture & Landscaping Design and FFA Ag Mechanics. 4-H members are eligible to enter in any 4-H/FFA Division department for which they enrolled in the corresponding Kansas 4-H Project by May 1<sup>st</sup> of the current 4-H program year.
8. Only currently enrolled 4-H members who were 7 to 18 years old as of January 1<sup>st</sup> of the current 4-H program year and FFA members who are in high school or graduated in May of the current year are eligible to compete in the 4-H/FFA Division.
9. Currently enrolled 4-H Cloverbud members who were 5 or 6 years old as of January 1<sup>st</sup> of the current 4-H program year are eligible to exhibit a project in the Cloverbuds class only. They will be awarded Cloverbuds Awards only. No trophies or prize money will be awarded to them.
10. All 4-H exhibits shall be checked in and judged according to the schedule beginning at 8:00 AM Friday. All Livestock must be in place by 6:00 PM Friday evening. All exhibits must remain in place until 7:00 AM Tuesday, except all booths will be taken down on Monday evening starting at 8:00 PM. Exhibitors will forfeit premium if exhibits are removed early. At the close of fair, all exhibits are to be claimed by the exhibitor or parties representing the exhibitor between 7:00 AM and 8:00 AM on Tuesday. At 8:00 AM the building cleaning and closing procedures will start and the building is typically closed by 10:00 AM. Those in charge assume no responsibility for exhibits left on the fairground after the close of the fair.
11. Exhibits at the Phillips County Fair are entered and displayed at the risk of the exhibitor. The Phillips County Fair Association and K-State Research and Extension accept exhibits and will exercise due care to protect them, but shall not be liable for any damage sustained due to fair conditions. 4-H or FFA members who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the fair.
12. All classes, unless otherwise specified in department rules, are limited to **one** exhibit per class.
13. The exhibits must be the handiwork of the exhibitor during the current 4-H program year.
14. Copyright Law: Exhibitors should learn the guidelines and exercise caution when using copyrighted materials to avoid plagiarism or a copyright or trademark infringement. Whenever possible, members should originate their own work. When referencing another person's work, proper permission should be obtained and citation made as required by law to avoid disqualification.
15. All Open Class exhibits will abide by 4-H and FFA rules unless otherwise stated.
16. All protests regarding a judge's decision shall be made to the Superintendent of the project/event in writing within 30 minutes of the judge's decision along with a deposit of \$10, which will be forfeited if the protest is not sustained. Said protest shall state plainly the cause of complaint or appeal. All decisions by the Superintendent are final, subject only to review by the Grievance Committee.
17. Alcoholic beverages and controlled substances are NOT permitted on Fairground premises. Violators subject to penalties, as defined in the Kansas Statutes Annotated. Violating exhibitors will be disqualified and forfeit premiums.
18. 4-H or FFA members staying overnight must have adult supervision through the night.
19. No open fires or fireworks on Fairground premises.
20. No ATVs permitted on the fairgrounds except for commercial use.
21. 4-H/FFA exhibits are judged using the Danish system.
22. Only livestock and horse entries receiving a purple or blue ribbon are eligible to receive a donated award. All other exhibits must be awarded a purple ribbon to receive donated award.
23. 4-H and FFA Exhibits receiving a purple ribbon for exceptional work are eligible for the Kansas State Fair in eligible classes, as long as the exhibitor is at least 9 years of age by January 1<sup>st</sup> of the current 4-H program year and the exhibit meets requirements (including class quotas) for classes at the Kansas State Fair. Exhibitors must submit an Entry Collection Sheet for all Kansas State Fair exhibits, except for livestock and horse (see livestock rules), to the Phillips-Rooks Extension District Phillipsburg Office by 5 PM on August 8<sup>th</sup>.
24. 4-H and FFA classes starred (\*) in the Phillips County Fair Book are not eligible for the Kansas State Fair.
25. Age Divisions for the Phillips County Fair are: Junior 7-9, Intermediate 10-13 and Senior 14-19.
26. Required participation to receive a fair premium for 2024:
  - 4-H members must attend three 4-H Club meetings from roll call to adjournment
  - Work their shifts in the fair food concession standMembers must also meet **one** of the following requirements:
  - Attend 4-H Sunday
  - Participate in the county sponsored fundraiser
  - Participate in County 4-H Club Day
  - Participate in a 4-H leadership activity, such as serving as a teen leader at Day Camp

## 4-H & FFA DIVISION GENERAL LIVESTOCK RULES

1. GENERAL FAIR RULES APPLY
2. Stall cards will be available at the Fair Office on the day of check-in, each animal on exhibit must have a stall card.
3. All Market animals must be ear tagged with official 4-H tags and recorded in the Phillips-Rooks Extension District Phillipsburg office by May 1<sup>st</sup>. All breeding animals, bucket calves and bottle lambs must also be recorded in the Extension office by May 1<sup>st</sup> and must be identified with either a 4-H tag or eID, herd tag, scrapie tag or tattoo. **Only animals identified through the official tagging process by May 1<sup>st</sup> may be entered through Fair Entry and shown at the Phillips County Fair in the 4-H/FFA division.** Only the owner of record on May 1<sup>st</sup> may exhibit the animal at the Phillips County Fair.
4. Livestock must be owned or co-owned by the exhibitors at the time of exhibiting.
5. Exhibitors should accompany their livestock exhibits and care for them. Livestock exhibitors must show their own entries, unless an exhibitor has multiple entries in the same class. No adult may assist with the showing of an animal. All adults must remain outside the show ring while livestock are being judged. Only the superintendents, judge, and exhibitor will be allowed in the ring. At the discretion of the superintendent or judge, livestock of a wild nature may be excused from the ring or not permitted to enter the ring for the safety of all livestock and exhibitors.
6. 4-H/FFA Exhibitors of Market Beef, Swine, Sheep and Meat Goats shall have their animals weighed during check-in at the fairgrounds for placement in the correct weight class. All market animals will be allowed to weigh only one time and may not ask to re-weigh an animal. Any objection about the weight of an animal must be made by the exhibitor at the time of entry.
7. A 4-H/FFA exhibitor's first two animals in each division (Market and/or Breeding Beef, Sheep, Swine or Meat Goats; Dairy Goats or Dairy Cattle) will be eligible to receive a livestock premium, except for Open Class Livestock. In other words, an exhibitor may receive a premium on up to 2 Market and 2 Breeding entries in each species for a maximum of 4 premiums per species. No premiums will be paid on any Showmanship Classes. Market animals sold in the Livestock Premium Auction will only receive the premium from the auction.
8. Each exhibitor is responsible for care and feeding of their exhibit. Exhibitors must provide their own bedding (sand will be provided for cattle) and their own watering and feeding equipment. Exhibitors must keep stalls, bedding, and camping area clean. Failure to do so may result in forfeiture of premium money at the superintendent's discretion.
9. Only immediate family members and junior leaders may assist in fitting and grooming; however, these assistants should insist that the project member does all he or she is capable of doing. Guidance and supervisory instruction are encouraged. No professional fitting will be allowed.
10. Livestock exhibited at the Phillips County Fair can be either purebred or commercial. All registered breeding animals must have original registration papers in the sole name of the exhibitor prior to June 15.
11. To exhibit at the Kansas State Fair or Kansas Junior Livestock show, all market and commercial beef, sheep, meat goats and swine must go through the [Nomination Process](#) including being tagged with an eID tag, submitting a DNA sample and paying the nomination fee per animal by the deadline. Market beef nominations are due May 1 and nominations for commercial females of all species and market meat goats, sheep and swine are due by June 15. Kansas State Fair livestock and horse entries are submitted by the exhibitors in ShoWorks by July 15 for beef, meat goats, sheep and swine and by August 1 for horses.
12. GENERAL HEALTH REQUIREMENTS, WITHDRAWAL TIMES FOR HEALTH AIDS, GROWTH PROMOTANTS, AND OTHER APPROVED MATERIALS: Exhibitors, their parents, leaders, and instructors have a serious responsibility to use animal health aids (drugs), growth promotants, and any other approved materials with great care. Approved withdrawal times are set and must be followed to assure a safe meat supply. Non-approved substances should not be used.
13. Any exhibitor, found to have tampered with or inhumanely abused an animal will be barred from showing and will forfeit any premium, ribbon or prize won.
14. 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. Once all livestock has been checked in, the fair veterinarian will conduct a walk through checking the health of all animals. Any animal not passing inspection will be asked to leave the fairgrounds.
15. No early release of any projects, or prizes and premiums will be forfeited.

### 4-H/FFA MARKET LIVESTOCK SALE RULES

*2024 Livestock Sale Order: Goats, Beef, Swine and Sheep*

Grand & Reserve Champion Goat  
Grand & Reserve Champion Beef  
Grand & Reserve Champion Swine  
Grand & Reserve Champion Sheep

Division Champions & Reserve Champions followed by class placing

1. 4-H and FFA members are limited to sell one market animal. All animals sold in the sale must have been exhibited.
2. For an exhibitor to sell an animal in the livestock premium auction, they must show that species in showmanship.
3. Members selling animals during the sale must turn in a "Sale Intentions Form" to the Fair Office, thirty minutes following the conclusion of the beef show.
4. Members selling an animal in the premium auction must dress in appropriate show ring attire according to show guidelines.
5. No Market Steer weighing less than 1,000 lbs. will be sold. No Market Hogs weighing under 220 will be sold through the premium auction. No Market Lamb that weighs less than 100 lbs. will be sold. No Market Goat under 55 lbs. will be sold.
6. A 4-H/FFA animal sold through the Phillips County Fair Livestock Auction may now be shown at the Kansas State Fair or Kansas Junior Livestock Show, assuming all other nomination and entry requirements are met.
7. The Reserve Grand Champion can bring more premium money than the Grand Champion; however, the purple & blue-ribbon animals can't bring more than the average of the Grand and Reserve Champion. The red ribbon animals can't bring more than the average of the blue ribbons and the white ribbons can't bring more than the average of the red ribbons.
8. A fee of \$20.00 will be withheld for each animal sold through the 4-H/FFA Livestock Sale. Check-off fees will also be assessed at the rate of \$1.00 for Beef, \$0.65 for Swine and \$0.25 for Sheep and Goats.
9. Beef, Sheep, Swine, and Goats – A floor bid received for each species from an area livestock buyer will be posted on sale day. Example floor bids might be \$0.45 per pound for hogs and \$0.72 per pound for sheep.
10. The buyer of the premium has first option to purchase the animal at the floor price. If the premium buyer does not want the animal, it will be made available to the first person to raise their buyer number. If no one wants the animal for consumption it will go to floor buyer. In all cases, the animal will sell.
11. Payment to be made the day of sale.



## BEEF

Superintendent: ..... Shane Jarvis  
Assistant Superintendents: ..... Justin Taylor  
Teen Leader: ..... Kalinda Meili

### **AWARDS/PREMIUMS:**

Grand Champion Market Beef -- \$175.00	Reserve Grand Champion Market Beef -- \$135.00
Market: Purple/Blue -- \$95.00	Red -- \$70.00      White -- \$35.00
Pre-Market: Purple/Blue -- \$25.00	Red -- \$15.00      White -- \$7.50
Breeding: Purple/Blue -- \$25.00	Red -- \$15.00      White -- \$7.50
Bucket Calf: Purple/Blue -- \$15.00	Red -- \$10.00      White -- \$5.00

### BEEF SHOW ORDER

Senior Bucket Calves	Gelbvieh Breeding Heifers	Junior Beef Showmanship
Junior Bucket Calves	Hereford Breeding Heifers	Pre-Market Beef
Returning Bucket Calves	Limousine Breeding Heifers	Market Heifers
Open Bucket Calves	Red Angus Breeding Heifers	Angus Steers
Dairy	Other Breeds - Breeding Heifers	Gelbvieh Steers
Miniature Cattle Breeds	Crossbred Breeding Heifers	Hereford Steers
Cows	Grand Champion Breeding Heifer	Red Angus Steers
Cow/Calf Pairs	Senior Beef Showmanship	AOB Steers
Angus Breeding Heifers	Intermediate Beef Showmanship	Crossbred Steers
		Grand Champion Market Beef

### **GUIDELINES**

1. Project members must own and manage beef at least 140 days prior to the Fair. All market beef must be ear tagged with official 4-H tags and recorded in the Extension Office by May 1. All breeding heifers must also be recorded in the Extension Office by May 1 with a 4-H tag, herd tag or tattoo.
2. Breeding animals will be judged according to the breed requirements.
3. Breeding beef classes will be broken into age classes. Animal date of birth required during the online entry process.
4. Ear tag number required during the online entry process.
5. Market beef classes will be broken into weight classes by the superintendent.
6. CATTLE HEALTH REQUIREMENTS. The Kansas Animal Health Department requires no test on cattle of Kansas origin for county fairs. Cattle determined by exhibition staff to have lesions of ringworm, warts, or infested with mange will not be permitted to exhibit.
7. Classes will be broken by breed at the fair.
8. Market beef not weighing over 1000 pounds will show in Pre-Market Beef class and be ineligible for the Livestock Premium Auction.
9. Beef animals can be exhibited in one class. The exception is if the animal is exhibited in the cow/calf class or showmanship, or returning bucket calf.
10. All Beef exhibits must be in the barn for public viewing, except for a reasonable amount of time for fitting on show days.

Class 1 – Miniature Females	Class 12 – Hereford Breeding Heifers	Class 20 – Pre-Market Beef
Class 2 – Miniature Steers	Class 13 – Limousine Breeding Heifers	Class 21 – Market Heifers
Class 3 – Commercial Cows	Class 14 – Red Angus Breeding Heifers	Class 22 – Angus Steers
Class 4 – Commercial Cow/Calf	Class 15 – AOB Breeding Heifers	Class 23 – Gelbvieh Steers
Class 10 – Angus Breeding Heifers	Class 16 – Crossbred Breeding Heifers	Class 24 – Hereford Steers
Class 11 – Gelbvieh Breeding Heifers		Class 25 – Red Angus Steers
		Class 26 – Crossbred Steers
		Class 27 – AOB Steers
		Class 30 – Carcass Contest

### **BUCKET CALF**

1. 4-H'ers must be between 7 and 12 years of age as of January 1 of current year except 13-year-olds may exhibit Returning Bucket Calf.
2. Bucket calves must be orphaned, obtained at least 90 days prior to fair, and born after January 1. May be male or female; dairy or beef, purebred or crossbred.
3. Members may exhibit only one bucket calf per year. Returning bucket calves may be exhibited in other appropriate classes.
4. All bucket calf exhibits must be in the barn for public viewing, except for a reasonable amount of time for fitting on show days.
5. May be tagged with a 4-H tag or herd tag and must be recorded at the Extension Office by May 1
6. If numbers warrant, classes may be split at the discretion of the superintendent into ages of calves, January 1 - February 29 and March 1 - May 1.
7. Use of a show stick is optional.
8. Judging will be on the following:
  - A. What members learned about caring for and raising a calf.
  - B. Overall grooming appearance with an emphasis on how much the 4-H'er learned and can do without help. Parental guidance is encouraged.
  - C. The general health of calf and 4-H'ers knowledge of health-related areas.
  - D. Ease working with the animal, halter broken, lead, and control the animal.

Class 55 – Jr. Bucket Calf - member age 7-9  
Class 56 – Sr. Bucket Calf - member age 10-12

Class 57 – Returning Bucket Calf

## DAIRY CATTLE

Superintendent: ..... Shane Jarvis  
Assistant Superintendents: ..... Justin Taylor

### **AWARDS/PREMIUMS:**

Purple/Blue -- \$25.00      Red -- \$15.00      White -- \$10.00

### **GUIDELINES**

1. To be eligible to exhibit, project member must own and manage dairy animals at least 140 days prior to the fair.
2. Animals will be judged by individual breed requirements for Holstein, Ayrshire, Guernsey, Jersey, Brown Swiss, or Milking Shorthorn Breeds.
3. HEALTH REQUIREMENTS: Cattle determined by exhibition staff to have lesions of ringworm, warts or infested with mange will not be permitted to exhibit.
4. All dairy exhibits must be in the barn for public viewing, except for a reasonable amount of time for fitting on show days.

Class 30 – Dairy Heifer calves less than 12 months of age.  
Class 31 – Dairy Yearling heifers between 12 and 24 months of age.  
Class 32 – Dairy Cows over 24 months

## DAIRY GOAT

Superintendent: ..... Ryann Kats  
Assistant Superintendents: ..... Mike Kats

### **AWARDS/PREMIUMS:**

Purple/Blue -- \$15.00      Red -- \$10.00      White -- \$5.00

### **GUIDELINES**

1. To be eligible to exhibit, a project member must own and manage goat(s) at least 90 days prior to the fair.
2. Animals will be judged by individual breed requirements.
3. All Dairy Goats will have a mandatory milk-out between 5 and 6 p.m. for the uniformity of judging.
4. HEALTH REQUIREMENTS: Goats shall meet the general requirements. Goat determined by exhibition staff to have lesions of ringworm, warts or infested with mange will not be permitted to exhibit. **All goats require a USDA scrapie ID tag to be eligible to be exhibited.**
5. Dairy Goats will be judged on:

General Appearance.....	30 percent
Dairy Character.....	20 percent
Body Capacity.....	20 percent
Mammary System.....	30 percent

Class 40 – 0-6 months Dairy Goat kids	Class 43 – Yearling & 2-Year-Old Dairy Goats - Freshened
Class 41 – 7-12 months Dairy Goat kids	Class 44 – 3-Year Old & Older Dairy Goats - Freshened
Class 42 – Yearling Dairy Goats - Not Freshened	

## MEAT GOAT

Superintendent: ..... Ryann Kats  
Assistant Superintendents: ..... Mike Kats

### **AWARDS/PREMIUMS:**

Grand Champion Market Goat -- \$35.00      Reserve Grand Champion Market Goat -- \$25.00  
Purple/Blue -- \$15.00      Red -- \$10.00      White -- \$5.00

### **GUIDELINES**

1. OWNERSHIP & ID: Market Goats should be individually owned by exhibitor and identified by an official 4-H ear tag and recorded in the Phillips-Rooks Extension District Phillipsburg Office by May 1<sup>st</sup>.
2. ELIGIBILITY: Wethers or does will be allowed to show in market classes.
3. WEIGHT: Market animals will be weighed upon arrival at the show and divided into classes by weight. To be eligible for market grand or reserve champion, Market Goats must weigh at least 55 lbs.
4. AGE: All Market goats must be born after January 1 of the current year.
5. HORNS: Dehorning is preferred. If not dehorned, the horns must be tipped prior to arrival on the grounds.
6. HAIR: Market Goats must be slick shorn above the knees and hocks.
7. RESTRAINTS: Use of halters, collars, or chains is allowed in the show ring.
8. SHOWMANSHIP: Goats must be shown with all four feet on the ground. Exhibitors may use a collar, a collar with a short lead, or a halter when showing.
9. HEALTH: Health requirements are to coincide with those at the given show and the federal scrapie guidelines. **All goats require a USDA scrapie ID tag to be eligible to be exhibited.**

Class 50 – 0-6 months Breeding Meat Goat Doe  
 Class 51 – 7-12 months Breeding Meat Goat Doe  
 Class 52 – Over 12 months Breeding Meat Goat Doe  
 Class 53 – Prospect Market Goats (under 55 lbs. weight)

Class 54 – Market Goats (55 lb. weight required)  
 Class 55 – Billy Goat

**SHEEP**

Superintendent ..... Ryann Kats  
 Assistant Superintendent ..... Mike Kats  
 Teen Leader ..... Rylee Delimont

**AWARDS/PREMIUMS:**

Grand Champion Market Lamb -- \$40.00    Reserve Grand Champion Market Lamb -- \$30.00  
 Market/Breeding: Purple/Blue -- \$15.00    Red -- \$10.00    White -- \$5.00  
 Bottle Lambs: Purple/Blue -- \$10.00    Red -- \$5.00    White -- \$2.50

**GUIDELINES**

1. To be eligible, the project member must own and manage sheep at least 90 days prior to fair. All market lambs must be ear tagged with official 4-H tags and recorded in the Extension Office by May 1<sup>st</sup>.
2. All market lambs must be slick shorn with an even length of wool covering above the hock and knee (head and belly included). Wool length should not exceed .2 inch. Contestant must clean up the wool if sheep are sheared at fair.
3. All market lambs will be weighed at time of entry. Market lambs will be divided into weight classes by superintendent. To be eligible for market grand or reserve champion, entry must weigh at least 100 pounds.
4. **HEALTH REQUIREMENTS:** In addition to the general requirements, sheep shall be free of any signs of "sore mouth" and be free of signs of active fungal (ringworm) infection, including club lamb fungus. **All sheep require a USDA scrapie ID tag to be eligible to be exhibited.**
5. Abuse of animals is prohibited, including: 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.

Class 60 – Market Lamb  
 Class 61 – Breeding Ewe Lamb  
 Class 62 – Yearling Ewe

Class 63 – Aged Ewe  
 Class 64 – Ewe and Lamb  
 Class 65 – Ram

**BOTTLE LAMB PROJECT**

1. 4-H member must be 7-10 years of age and preferably never have shown sheep at the fair before.
2. Lamb must be an orphaned bottle lamb and between one month & 120 days old.
3. Members may exhibit only one bottle lamb per year.
4. Judging will be based on the following:
  - A. What the member learned about caring for and raising the lamb.
  - B. Overall grooming & appearance (clean, trimmed, etc.) Emphasis will be on how much the 4-H'er learned and is able to do without help. Parental guidance is encouraged.
  - C. The general health of lamb and 4-H'ers knowledge of related areas.
  - D. The ease with which the member works with animal and control over the animal.

Class 66 – Bottle Lamb - Members ages 7-8

Class 67 – Bottle Lamb - Members ages 9-10

**SWINE**

Superintendent ..... Kathy Holling  
 Assistant Superintendents ..... Mike Kats, Brady Ellenberger  
 Teen Leaders ..... Rhett Kats

**AWARDS/PREMIUMS:**

Grand Champion Market Hog -- \$55.00    Reserve Grand Champion Market Hog -- \$ 40.00  
 Market: Purple/Blue -- \$22.50    Red -- \$15.00    White -- \$10.00  
 Breeding: Purple/Blue -- \$15.00    Red -- \$10.00    White -- \$5.00

**GUIDELINES**

1. To be eligible to exhibit, project members must own and manage hog(s) at least 90 days prior to the fair. All market hogs & breeding gilts must be ear tagged with official 4-H tags and recorded in the Extension Office by May 1<sup>st</sup>.
2. All classes will be judged separately. First & second place animals in each class will compete for Champion & Reserve Champion in purebred & crossbred divisions.
3. Materials for bedding, such as straw, will not be allowed for the swine exhibits. This is to prevent clogging of the drainage system. Water for cooling is available
4. Mats will not be allowed in the hog pens.
5. All market hogs must be weighed at time of entry. All market classes will be broken into weight classes by the superintendents. To be eligible for market grand or reserve champion, the entry must weigh at least 220 pounds.
6. A negative pseudorabies and brucellosis test are not required for Kansas origin swine. All swine must be free of lice and other infestations.

Class 69 – Pre Market Hog  
 Class 70 – Duroc Market Hog  
 Class 71 – Hampshire Market Hog  
 Class 72 – Yorkshire Market Hog  
 Class 73 – Crossbred Market Hog  
 Class 74 – AOB Market Hog

Class 75 – Duroc Breeding Gilt  
 Class 76 – Hampshire Breeding Gilt  
 Class 77 – Yorkshire Breeding Gilt  
 Class 78 – Crossbred Breeding Gilt  
 Class 79 – AOB Breeding Gilt

## HORSE

Superintendent.....John Hopson  
 Assistant Superintendent.....Cody Hilburn, Roy Jessup

**AWARDS/PREMIUMS: *No premiums will be paid on Horse Performance Events.***

Grand Champion Gelding -- \$75.00	Reserve Grand Champion Gelding -- \$50.00
Grand Champion Mare -- \$75.00	Reserve Grand Champion Mare -- \$50.00
Halter: Purple/Blue -- \$25.00	Red -- \$15.00      White -- \$10.00

### GUIDELINES

1. READ GENERAL RULES.
2. 4-H'ers must be enrolled in the horse project to show at the County Fair.
3. No 4-H horse may participate in practice or be shown at the fair until it has been properly identified on a 4-H Horse Identification Certificate through the county extension office. Such certificates must be completed and submitted to the County Extension Office on or before May 1<sup>st</sup> of the current 4-H year. A colt or filly foaled after May 1<sup>st</sup> is eligible for the show during the current year only if it is the foal of a project mare. A colt born to an ID'd mare before May 1<sup>st</sup> needs its own identification papers. Horse ID's are checked at the Fair.
4. Only mares and geldings may be shown at halter and under saddle. Weaning colts are permitted at halter.
5. Each animal must be exhibited or ridden by the 4-H owner or holder. In halter class, one attendant of 4-H age may help. Adults are barred from the show ring while the animals are being judged.
6. All exhibitors will follow the rules as found in the HANDBOOK FOR KANSAS 4-H HORSE SHOW AND EVENTS. Those rules will include dress code, equipment requirements, conduct, and show /event. If any questions arise concerning the rules of the show, they will be referred to the above-mentioned handbook. In any case, the judge's decision will be final.
7. Age divisions: Junior division 7-9 years old; Intermediate division 10-13 years old; Senior division 14 years and older. All ages are as of January 1<sup>st</sup> of current year.
8. High Point Award will be determined on one horse and one rider with the following point system: 4 points for purple, 3 points for blue, 2 points for red, and 1 point for white. Class winners will receive 1 bonus point. All classes except halter count towards high point.
9. Junior and Intermediate exhibitors may show up to 2 horses at the fair. Senior exhibitors may show 3.
10. In regard to stalling, one horse that has been ID'd per exhibitor unless for a medical reason and does not have another horse to bring to the fair. If the exhibitor does not have a horse to bring, then no premium will be paid.
11. Youth must attend 3 practice sessions with a horse(s) before July 15<sup>th</sup> entry deadline to exhibit at fair.
12. All horse exhibitors will use wood chips for bedding.
13. Information on State Fair Horse qualification can be found at: <https://www.kansas4-h.org/projects/animal-science/horse/index.html>
14. The age of a horse is determined as of January 1<sup>st</sup>, of the year in which it is born.
15. Stallions cannot be exhibited in any class.
16. No animal or 4-H member may show in the same class more than one time.
17. The use of protective headgear, in place of a hat, is encouraged in any and all classes, including judged, timed and futurity classes.

### HALTER CLASSES

1. A horse can only be entered in one halter class.
2. Animals are to be judged against the standards for the particular breed or type they most nearly represent. Stallions may show only in year foaled.
3. Scoring procedure:
  - a. Conformation..... 90 percent
  - b. Grooming, training, and manners.....10 percent
4. Classes will be divided according to breeds at the discretion of the Superintendent.
5. A Grand and Reserve Grand Champion mare and gelding will be selected.
6. If there are not at least three horses in a class, classes may be combined

Class 80 – Registered Mares - 2 years and younger  
 Class 81 – Registered Mares - 3 years and older  
 Class 82 – Grade Mares - 2 years and younger  
 Class 83 – Grade Mares - 3 years and older  
 Class 84 – Ponies under 56 inches Mares, all ages/breeds

Class 90 – Registered Geldings - 2 years and younger  
 Class 91 – Registered Geldings - 3 years and older  
 Class 92 – Grade Geldings - 2 years and younger  
 Class 93 – Grade Geldings - 3 years and older  
 Class 94 – Ponies under 56 inches Geldings, all ages/breeds

### RIDING CLASSES

Class 201 – Hunt Seat English Pleasure - All Ages  
 Class 211 – Senior Hunt Seat Equitation - Senior

Class 212 – Hunt Seat Equitation - Intermediate  
 Class 213 – Hunt Seat Equitation - Junior  
 Class 301 – Ranch Rail – Senior

Class 302 – Ranch Rail – Intermediate  
 Class 303 – Ranch Rail – Junior  
 Class 321 – Western Horsemanship (pattern) – Senior

Class 323 – Western Horsemanship (pattern) – Junior

Class 331 – Reining (pattern) – Senior  
 Class 332 – Reining (pattern) – Intermediate  
 Class 333 – Reining (pattern) – Junior

Class 322 – Western Horsemanship (pattern) – Intermediate

**TRAIL CLASSES**

Class 401 – Ranch Trail - Senior  
 Class 402 – Ranch Trail - Intermediate

Class 403 – Ranch Trail – Junior

**SPEED CLASSES**

Class 501 – Barrel Racing – Senior  
 Class 502 – Barrel Racing – Intermediate  
 Class 503 – Barrel Racing – Junior  
 Class 511 – Flag Race – Senior  
 Class 512 – Flag Race – Intermediate

Class 513 – Flag Race – Junior  
 Class 521 – Pole Bending – Senior  
 Class 522 – Pole Bending – Intermediate  
 Class 523 – Pole Bending – Junior

**SHOWMANSHIP**

Superintendent: ..... Kayla Jarvis  
 Assistant Superintendent: ..... Josh Van Laeys

**\*\*\*\*No premiums paid on Showmanship Classes\*\*\*\***

**GUIDELINES**

1. Senior Showmanship is 14 years of age or older; Intermediate Showmanship is 10-13 years of age, and Junior Showmanship is 7-9 years of age. *Bucket Calf/Bottle Lamb Projects are not eligible for Showmanship Classes.*
2. 4-H/FFA members must show their own animals in showmanship contests.
3. Pre-entry is required by July 15<sup>th</sup>.
4. Judges will consider:
  - A. Preparation of animals for showing.....50 points
    - a. The condition of feet.
    - b. Trimming of the head, ears, hair, etc.
    - c. Washing and cleanliness.
    - d. The condition of the coat, including gloss, nonuse of objectionable materials.
  - B Showing of animal.....50 points
    - a. Control of animal by exhibitor.
    - b. Poise and coolness of exhibitor.
    - c. Skill in showing, including
      1. continuous attention/alertness
      2. keeping animal placed to advantage
    - d. Ability to stand or move the animal as requested by the judge.

Class 140 – Senior Beef Showmanship  
 Class 141 – Intermediate Beef Showmanship  
 Class 142 – Junior Beef Showmanship  
 Class 143 – Senior Dairy Showmanship  
 Class 144 – Intermediate Dairy Showmanship  
 Class 145 – Junior Dairy Showmanship  
 Class 146 – Senior Sheep Showmanship  
 Class 147 – Intermediate Sheep Showmanship  
 Class 148 – Junior Sheep Showmanship  
 Class 149 – Senior Swine Showmanship  
 Class 150 – Intermediate Swine Showmanship  
 Class 151 – Junior Swine Showmanship

Class 101 – Senior Horse Showmanship  
 Class 102 – Intermediate Horse Showmanship  
 Class 103 – Junior Horse Showmanship  
 Class 155 – Senior Goat Showmanship  
 Class 156 – Intermediate Goat Showmanship  
 Class 157 – Junior Goat Showmanship  
 Class 3460 – Senior Rabbit Showmanship  
 Class 3462 – Intermediate Rabbit Showmanship  
 Class 3464 – Junior Rabbit Showmanship  
 Class 161 – Senior Poultry Showmanship  
 Class 162 – Intermediate Poultry Showmanship  
 Class 163 – Junior Poultry Showmanship

**ROUND ROBIN SHOWMANSHIP CONTEST**

1. The Round Robin will be offered for the Intermediate and Senior Divisions.
2. The Senior Division will compete first.
3. The Round Robin will consist of the Champion Showman in Beef, Dairy, Sheep, Swine, Horse, and Goat Classes.
4. If a show person has won in more than one class, they may choose the class to participate in. The Reserve Champion may then participate in the Round Robin in the species not chosen.

**AEROSPACE/ROCKETRY**

Superintendent: ..... Bethany Jessup  
 Teen Leader..... William Jessup

**AWARDS/PREMIUMS:**

Purple -- \$2.50 Blue -- \$2.00 Red -- \$1.50 White -- \$1.00

1. 4-H members must be currently enrolled in the 4-H Rocketry program to exhibit in this division.

2. If a rocket qualifies for the Kansas State Fair, exhibitors should read the current Kansas State Fair 4-H Exhibitor Handbook for the Rocketry division, as rules and class numbers may differ from the Phillips County Fair.
3. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a "model rocket kit", the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
4. 4-Hers are to complete and sign the rocketry information form, available from <http://rocketry.engtech4ks.com/> or your local extension office and attach it to a 10" x 13" "manila" envelope. The envelope should contain:
  - a. Instructions on how to construct the rocket
  - b. Up to 5 pages of pictures, pictures are to be attached to sheets of paper, from both construction and launch
  - c. Documentation of any flight damage that occurred
  - d. Any modifications made to the rocket except for paint scheme and decals.
  - e. An additional page for altitude calculations if the space on the form is not enough.
  - f. Additionally, for original design rockets, also known as "scratch built" rockets:
    - i. 5 additional pages of photos are allowed
    - ii. Documentation of how the rocket was tested for stability
5. 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.
6. Rockets are to be displayed upright on a display stand with a sturdy rod that does not extend past the top of the rocket, or stand unassisted, unless the rocket is taller than 4 feet in which case no display stand is required and the rocket may be displayed on its side, rockets are not to be displayed on launch pads to save space and prevent someone from being poked in the eye.
7. Rockets ARE NOT to be displayed with used or unused rocket engines either in the rocket or as part of the stand, if rocket engines are included in the exhibit the judge may disqualify the exhibit.
8. Rockets should be flown unless there is an active burn ban in the county or conditions are too dangerous to safely launch the rocket. Just flying the last stage (the part with the nose cone) of a multi-stage rocket is acceptable.
9. Rockets, **except those in the Junior division**, are not to be "beginner kits" or use prefabricated (molded plastic) fin assemblies, or pre-finished rockets requiring no painting, these are not acceptable outside the Junior division, and should be disqualified. Beginner kit rockets entered in the Junior division may not go on to the Kansas State Fair.
10. Angles of fins must fall within a plus or minus 2-degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from <http://rocketry.engtech4ks.com/>
11. Fins and body tubes, except those in the introductory division, are to be filled and sealed with putty, sanding sealer, and/or primer or other suitable filler to eliminate the appearance of body grooves and wood grain.
12. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
13. Engine mounts are to be securely attached to the body tube.
14. Any seams on plastic parts are to be sanded smooth.
15. The recovery system (typically a parachute or streamer) should be attached according to the instructions
16. The nose cone is to fit snugly but still allow for easy removal.
17. Exhibits must be uniformly painted and smoothly finished without "runs," "orange peel," or "alligator skin" or finished as per rocket instructions (for example, no painting required), and decals, if used, are applied smoothly.
18. Models may not be judged based on their paint scheme (colors and placement on the rocket), except for rockets that fit the definition of a "scale model\*" and are entered in the scale model class. All other rockets do not have to follow the suggested paint scheme, allowing the 4-H'er to display maximum creativity in the finishing of their rocket. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the non-scale model from one ribbon placing to another.
19. "Scale models\*" entered in the scale model class may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
20. "Scale Models\*" displayed in the scale model class are to be finished and completed with a majority (greater than 70%) of decals. For all other rockets the use of decals is optional.
21. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
22. Original design rockets must be designed by the exhibitor(s).
23. Exhibitor(s) must be 11 years of age (4-H age) or older to enter an original design rocket.
24. 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.
25. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying. Swing testing of the rocket is required. Other tests and calculations are strongly encouraged. Exhibitors must include documentation of the swing test. Failure to swing test a rocket will result in a deduction of TWO ribbon placings.
26. Rockets that use more than one 'D' engine or equivalent are consider mid or high-power rockets in 4-H.
27. Mid and High-Power exhibitors must be at least 14 years of age by January 1 of the current year.
28. In addition to the information packet completed for all rockets, a high-power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.engtech4ks.com/>
29. Exhibitors in the mid and high-power divisions must hold memberships in either NAR or Tripoli organizations.
30. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all mid and high-power rocketry exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year.
31. All rockets in the mid and high-power divisions are to be launched under adult supervision by the 4-H member who constructed the rocket.
32. For rockets launched using an engine(s) that have 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification if launching on this large of an engine.

**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)

### Junior Division

- Class \*5518 – Rocket made from “beginners kit” by 7 or 8 year old exhibitor. Rockets that have plastic pre-assembled fin units. Include plans.
- Class 5519 – Rocket made from a kit without pre-assembled fin units. Include plans. (qualifying 9 year old exhibitors will be State Fair eligible)
- Class 5536 – Scale Model Rocket made from kit. Include plans. (qualifying 9 year old exhibitors will be State Fair eligible)

### Intermediate Division

- Class 5520 – Rocket made from a kit. Include plans.
- Class 5521 – Rocket designed by 11-13 year old exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.
- Class 5537 – Scale Model Rocket made from kit. Include plans.
- Class 5538 – Scale Model Rocket designed by 11-13 year old exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

### Senior Division

- Class 5525 – Rocket made from kit. Include plans.
- Class 5526 – Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.
- Class 5539 – Scale Model Rocket made from kit. Include plans.
- Class 5540 – Scale Model Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans and stability testing.

### Aerospace/Rocketry Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology areas of rocketry, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of rocketry as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://rocketry.engtech4ks.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.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand fair conditions.
7. “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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor’s name, Extension Unit, 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.
12. Exhibits should possess the following qualities (in no particular order):
  - a. A central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Rocketry
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judge’s discretion, will receive a participation ribbon.

Class 5741J – Junior Rocketry Educational Display  
Class 5742J – Junior Rocketry Notebook  
Class 5743J – Junior Rocketry Poster Board  
Class 5741 – Intermediate Rocketry Educational Display  
Class 5742 – Intermediate Rocketry Notebook

Class 5743 – Intermediate Rocketry Poster Board  
Class 5746 – Senior Rocketry Educational Display  
Class 5747 – Senior Rocketry Notebook  
Class 5748 – Senior Rocketry Poster Board

### AGRONOMY (formerly known as CROPS)

Superintendent: ..... Sara Olson  
Assistant Superintendents: ..... Vincent Jones, Ethan Olson

**AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White -- \$1.50

**GUIDELINES**

1. READ GENERAL RULES.
2. Exhibits in this division must have been grown by the club member in the current year with the exception of soybean seed and edible field bean seed.
3. Every entry must be identified by hybrid or variety name.
4. Exhibits should be as mature as possible.

**CORN — Ten Ear Exhibit**

- Class 2400 – White. Variety or hybrid must be named.
- Class 2401 – Yellow. Variety or hybrid must be named.
- Class 2399 – Corn: Exhibit consist of one-gallon sample. Variety must be named.

**SORGHUM — Ten Head Exhibit**

- Class 2402 – Hybrid grain sorghum. Hybrid must be named.
- Class 2403 – Hybrid forage sorghum. Exhibit to consist of the entire plant; no roots. **Hybrid** must be named.
- Class 2404 – Other forage sorghums. Exhibit to consist of the entire plant; no roots. Variety must be name.

**WHEAT — One Gallon Sample**

- Class 2405 – Soft red winter wheat. Variety or hybrid must be named.
- Class 2406 – Hard red winter wheat. Variety or hybrid must be named.
- Class 2407 – Hard white wheat. Variety or hybrid must be named.

**SUNFLOWERS**

- Class 2408 – Confectionery heads. 3 heads must be submitted.
- Class 2409 – Confectionery seeds in jar. 1-gallon jar must be submitted.
- Class 2410 – Oil seed heads. 3 heads must be submitted.
- Class 2411 – Oil seeds in jar. 1-gallon jar must be submitted.

**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. 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 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.
- Class 2417 – Brome Grass: Exhibit to consist of one-gallon sample of seed.
- Class 2418 – Other Tame Grasses: Exhibit to consist of one-gallon sample of seed.
- 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 from most recent harvest. Variety must be named.
- Class 2421 – Edible field beans: Exhibit to consist of one-gallon sample of seed from most recent harvest.
- Class 2422 – Edible field beans: Bundle of five plants (with roots intact) from most recent harvest.
- 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 plastic bag), so mold doesn't develop.
- Class 2425 – Corn: Exhibit to consist of one-gallon sample. Variety must be named
- Class 2426 – Cool Season Grass Hay (e.g., fescue, etc.): Ten-inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.

**Wheat Variety Plot**

- Class 2430 – Wheat Variety Plot Displays

**AG MECHANICS WELDING**

Superintendent: ..... Allison Dix

**AWARDS/PREMIUMS:**

Purple -- \$2.50      Blue -- \$2.00      Red -- \$1.50      White -- \$1.00

1. 4-H members must be currently enrolled in the Kansas 4-H Ag Mechanics Welding project to exhibit in this division.
2. Wheeled exhibits must utilize a breaking mechanism which prevents the exhibit from freely rolling while on display
3. 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.
4. 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 or with State Fair Extension Staff and **labeled with the exhibitor's name, county, and phone number.**
  5. For exhibits with downward swinging parts, such as tailgates, that could pose a fall/striking/crushing hazard should have a tamper resistant locking mechanism such as a "zip-tie" or a "cotter-key" through a release pin that would prevent the swinging part from being accidentally released and falling on someone.
  6. 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 display boards should have a portable and moveable base and examples should be firmly affixed to the board to ensure all parts of the display stay together. No exhibits may be staked to the ground for display.
  7. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display.
  8. Exhibits may not be bound, affixed, attached to the State Fair buildings, except by the superintendent, State Fair Staff, or State Fair Extension Staff.
  9. 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.
  10. Repair projects having adequate original finish need not be repainted.
  11. Cutting surfaces, such as blades, 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.
  12. Display cases for small exhibits are acceptable and must be easily opened so the item can be removed and examined as part of judging.
  13. 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.
  14. Trailers and large exhibits (those larger than 5 feet in any dimension) may be displayed outside, and exhibitors with such exhibits are to contact the Kansas State 4-H office NO LATER THAN **August 23rd** to arrange placement time and location.
  15. 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.
  16. Electric powered (battery, corded, solar, or alternative energy) should have a primary shutoff or disconnect switch.
  17. 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.
  18. The exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the display.
  19. Each exhibit, except for display boards, must include an Ag Mechanics Welding information packet. Entry of just a packet without an accompanying exhibit is not a sufficient exhibit.
  20. Each exhibitor is required to complete the "4-H Ag Mechanics Welding Exhibit Information Form" for each exhibit, except for display boards, which is available through your local K-State Research and Extension office or at <http://welding.engtech4ks.com/> This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of all forms previously released for the division dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year.
  21. Each exhibit information packet should include the following items:
    - a. Bill of materials for the project with associated costs, scrap items used may be listed as having a \$0.00 cost.
    - b. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state.
    - c. If appropriate schematics or working drawings relating to the creation or repair, this is not required for display boards.
    - d. If appropriate, operating instructions.

**Scoresheets, Forms, and Contest Study Materials:** <http://welding.engtech4ks.com/>

**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 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 & methods & 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) 34 Revised 2/26/21 This level is designed for youth 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 3 Brazing fabrication
- Class 5587 – Level 4 Smithing – A design forged with at least four different formed elements (twists, spirals example)

**Ag Mechanics Welding Educational Exhibit Rules**

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology area of Ag Mechanics Welding, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area, exhibits that do not clearly show a clear and direct relationship to Ag Mechanics Welding as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://welding.engtech4ks.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.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand fair conditions.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. Exhibits should possess the following qualities (in no particular order):
  - a. A Central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Ag Mechanics Welding
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

- Class 5475J – Junior Ag Mechanics Educational Display
- Class 5476J – Junior Ag Mechanics Notebook
- Class 5477J – Junior Ag Mechanics Poster Board
- Class 5475 – Intermediate Ag Mechanics Educational Display

- Class 5476 – Intermediate Ag Mechanics Notebook
- Class 5477 – Intermediate Ag Mechanics Poster Board
- Class 5478 – Senior Ag Mechanics Educational Display
- Class 5479 – Senior Ag Mechanics Notebook
- Class 5480 – Senior Ag Mechanics Poster Board

**ASTRONOMY**

Superintendent: ..... Bethany Jessup  
Teen Leader..... William Jessup

## AWARDS/PREMIUMS:

Purple -- \$2.50   Blue -- \$2.00   Red -- \$1.50   White -- \$1.00

## GUIDELINES

1. READ GENERAL RULES
2. The 4-H member must be currently enrolled in the 4-H Astronomy project to exhibit in this division.
3. Exhibit must have been completed during the current 4-H year
4. Telescopes entered in this division may be built from a kit or by original design. Prefinished telescopes, which require no construction are not acceptable exhibits.
5. Telescopes are limited to no more than six feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
6. Exhibit must include a "4-H Astronomy Exhibit Information Form," which should be attached to the outside of a 10" x 13" manila envelope. You must also include construction plans (or a photocopy) for the telescope and place it inside the manila envelope.
7. Two photographs showing telescope construction and operation are required. Photographs should be mounted on one side of an 8 ½" x 11" page. A brief caption should accompany each photograph. Place photos in the 10" x 13" manila envelope.
8. The telescope must be properly assembled and painted with a smooth and uniform finish. Decals, if used, should be attached smooth and tight.
9. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
10. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the telescope
11. 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

## Educational Exhibit Rules

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the **Engineering and Technology areas** of astronomy, computers, rocketry, robotics, or uncrewed aerial systems, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks, and display boards must contain substantial supporting educational exhibits.
4. 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 the uniqueness, creative, neatness, accuracy of material, knowledge gained, and content. An exhibit judging scoresheet is available at <http://astronomy.engtech4ks.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.
5. Follow copyright laws, citing all sources of information in a standard notation. Sources of information must be cited on the front of you exhibit, including all posters and educational display boards.
6. Educational displays are to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand conditions.
7. "Construction Kits" that are part of Educational displays must contain in cases (tackle boxes, sealable containers, etc.) that may not be longer 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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute and immediate disqualification. This is for safety reasons and includes both spent and live engines.
11. Exhibitors name, Extension Unit, 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.
12. Exhibits should possess the following qualities (no particular order):
  - a. A central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Astronomy, Computer System, Robotics, Rocketry, or Uncrewed Aerial Systems
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.

## Educational Displays

5731J – Junior Astronomy Educational Display

5732J – Junior Astronomy Educational Notebook

5733J – Junior Astronomy Educational Poster

5731 – Intermediate Astronomy Educational Display

5732 – Intermediate Astronomy Educational Notebook

5733 – Intermediate Astronomy Educational Poster

5736 – Senior Astronomy Educational Display

5737 – Senior Astronomy Educational Notebook

5738 – Senior Astronomy Educational Poster

## BOOTHS AND BANNERS

Superintendent: ..... Sue Kipp

### **AWARDS/PREMIUMS:**

Purple -- \$8.00      Blue -- \$6.00      Red -- \$5.00      White -- \$4.00

**Phillips County Conservation District** will award \$30.00 for first place and \$20.00 for second place to the 4-H/FFA Booth and/or \$15.00 for first place and \$10.00 for second place to the 4-H and/or FFA Banner presenting the theme "Conservation of our Natural Resources." Information is available from the Phillips County Extension Office.

### **GUIDELINES**

1. READ GENERAL RULES.
2. A 4-H club may choose a booth or a banner or both. The booth or banner should illustrate a phase of 4-H club work which is being practiced by club members.
3. In FFA, FCCLA, or FCE work, the booth is to illustrate a phase of work the members are practicing.
4. Booths and banners may have themes of any current or new projects in which the club is involved, or they may promote the value of 4-H, FCE, FFA, or FCCLA.
5. Avoid using copyrighted materials by creating an original design.
6. Booth set up is Wednesday before fair. Booths and banners must be in place by noon opening day of the fair and taken down Monday after 8:00 PM.
7. Booth size will be 6 feet wide and 6 feet long.
8. Club booths are to be labeled with club name and class number. This label should be in 1" letters on the left side of the booth, near the front, at eye level.
9. Banners are to be identified by a label attached to the front lower left-hand corner of the banner giving the name of the club, county, and year. Letters should be 2" in height. Waterproof ink prevents smears and is recommended for the label.
10. Banners are to be no less than 12 square feet and no more than 16 square feet, with a minimum of 3 feet on one side.
11. Banners should be hung on a wooden dowel stick and rope or hanging wire, strong enough to support the banner.
12. Banners must be made of materials that permit the banner to be folded or rolled without damaging the display. Three-dimensional objects should not be attached to the front of the banner.
13. Each club shall maintain its booth or banner in an orderly, clean, and neat fashion.
14. Booths and banners are not eligible for State Fair.

### **BASIS OF AWARDS**

1. Educational Value .....40 points
  - a. Presents suggestions, striking facts, or clinching arguments simple in form, quickly grasped and easily accomplished.
  - b. Shows extent to which work involved meets the fundamental need.
  - c. Promotes decision and action, gives yields, savings, and increased returns, other benefits which adoption of practices represents.
2. Interest and Originality .....20 points
  - a. Presents unusual, original or striking methods of exhibition. Uses life, motion, action, color or light to emphasize the main idea presented.
  - b. Holds interest of people until they have read or observed essentials of material presented.
  - c. Uses familiar illustrative material.
  - d. Uses method demonstration or simple contrast.
  - e. Defines one idea clearly.
3. Appearance .....20 points
  - a. General appearance, artistic, neat and attractive.
  - b. Title sign showing the subject of the exhibit.
4. Quality of Display Material .....20 points
  - a. Maps, labels, and charts designed to feature effectively the work or practice presented. Consider the size of letters and cards in relation to the importance of the idea.
  - b. Quality of project grown, or articles made

\*Class 170 – 4-H Booths

\*Class 174 – 4-H Banners

\*Class 172 – FFA – See FFA Dept.

\*Class 175 – Other

\*Class 173 – FCE – See HS Family & Consumer Science

## BUILDING BLOCK ENGINEERING

Superintendent: ..... Bethany Jessup

Teen Leader ..... William Jessup

### **AWARDS/PREMIUMS:**

Purple -- \$2.50      Blue -- \$2.00      Red -- \$1.50      White -- \$1.00

Description: The BBE exhibit area focuses on using architectural blocks ("Legos") to construct dioramas. This project allows youth to explore architectural design in a three-dimensional space. The intent for this program is to allow youth to explore the construct and gain knowledge through interaction with a common toy. This division is not intended for youth wishing to exhibit constructed kits. Kits and non-diorama displays should not be displayed in this division.

### **GUIDELINES**

1. READ GENERAL RULES.
2. 4-H members must be currently enrolled in the Kansas 4-H Block project to exhibit in this division.

3. Each exhibitor may enter one exhibit. Exhibits must have been constructed during the current 4-H year. The exhibit must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon robot exhibits which meet State Fair guidelines.
4. Counties are limited to FOUR exhibits to the state fair to insure sufficient space for all exhibitors
5. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
6. The minimum exhibit dimensions must be at least 6 inches wide and deep.
7. All exhibits should be placed in a sturdy see-through enclosure with a top, bottom, and 4 sides. A 'clear' tub turned upside down with the exhibit placed on the lid would be an acceptable enclosure. It may be desirable to place a cutting board or other hard surface between the lid and base plate of the exhibit to make it more sturdy. This is to keep exhibit components from being "scattered to parts unknown" at the fair. The outer dimensions of the enclosure do not count towards the total exhibit dimensions but should not be excessive. The entire exhibit should fit in the display enclosure so the enclosure does not smash into the exhibit during movement.
8. All components used in construction should be dust and hair free, clean, free of chips, scuffs, cracks, or broken blocks
9. Gaps or cracks should not be visible between assembled blocks unless they fit with the story, for example an earthquake
10. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®
11. 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
12. The use of existing "store bought" sets for major elements of the display is not allowed, use of figurines from sets is allowed as is using individual bricks or small sub-assemblies to create something different than the set it came from. For example, a car hood or front end from a car kit could be used in a "car museum," just not the entire car. The intent of this is to ensure fairness among exhibitors and encourage maximum creativity instead of just following a set of plans.
  - a. COUNTY FAIRS may choose to add classes for kits, but exhibits in those classes are not eligible for the Kanas State Fair.
13. Dioramas should be suitably complex and have multiple elements, for example, a camp site that has a log cabin, a tree fort, and a car.
14. All dioramas should have a story, which is part of the information pack, that describes what is happening in the diorama; this can be as simple (the nursery rhyme "Jack and Jill" for example) or complex as needed to explain to someone looking at the exhibit what is happening.
15. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method
16. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, marry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If included judges should be able to use them and instructions should be provided for operation either in the story or on a separate page.
17. Artistic designs, for example recreating paintings like the "Mona Lisa" or "Stary Nights" and structures like "David" are not permitted as exhibits and one ribbon placing should be deducted, these exhibits should be displayed in Visual Arts.
18. The exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the display, additionally the display case should have the exhibitor's information attached to it as well, as the top part of the case may be separated from the display
19. Each exhibit must include an Architectural Block Construction information packet. Entry of either a packet without an accompanying exhibit or an exhibit without a packet is not a sufficient exhibit.
20. Each exhibitor is required to complete the "4-H Building Block Engineering Exhibit Information Form" which is available through your local K-State Research and Extension office or at <http://blocks.engtech4ks.com/> This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit. All revisions of forms previously released for the division dated prior to current year
21. Each exhibit information packet should include the following items:
  - a. 1 to 5 pages of photos showing work on the exhibit, preferably from a beginning state to final or completed state. Final pictures help in determining where a part might go in case something comes loose.
  - b. If appropriate operating instructions for mechanical portions of the diorama.

**Scoresheets, Forms, and Contest Study Materials:** <http://blocks.engtech4ks.com/>

Class 5710 – Introductory – Level 1 (about 1-3 years of experience): Diorama illustrating at least 2 architectural features beyond floors, ceilings, and walls.

Class 5711 – Experienced – Level 2 (about 4-6 years of experience): Diorama illustrating at least 4 architectural features beyond floors, ceilings, and walls, and includes 1 or more motion elements

Class 5712 – Advanced – Level 3 (about 7-9 years of experience): Diorama illustrating at least 6 architectural features beyond floors, ceilings, and walls, and includes 2 or more motion elements

Class 5713 – Master – Level 4 (about 10 or more years of experience): Diorama illustrating at least 8 architectural features beyond floors, ceilings and walls, and includes 3 or more motion elements

**Educational Exhibit Rules**

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology areas of astronomy, computers, rocketry, robotics or uncrewed aerial systems, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://blocks.engtech4ks.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.

5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. Exhibits should possess the following qualities (in no particular order):
  - a. A Central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to BBE
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
14. Posters, Notebooks, and Display Boards may be checked out for use in a Kansas State Fair 4-H demonstration or illustrated talk with prior permission. For permission, check with the superintendent(s). The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified.

**Educational Displays**

- |   |   |
|---|---|
| Class 5481J – Junior Building Block Engineering Educational Display       | Class 5483 – Intermediate Building Block Engineering Educational Poster |
| Class 5482J – Junior Building Block Engineering Educational Notebook      | Class 5484 – Senior Building Block Engineering Educational Display      |
| Class 5483J – Junior Building Block Engineering Educational Poster        | Class 5485 – Senior Building Block Engineering Educational Notebook     |
| Class 5481 – Intermediate Building Block Engineering Educational Display  | Class 5486 – Senior Building Block Engineering Educational Poster       |
| Class 5482 – Intermediate Building Block Engineering Educational Notebook |   |

**CLOVERBUD DIVISION**

Superintendent.....Myrna Goracke

1. 4-H Cloverbuds is a special club designed for children ages 5 and 6 with age-appropriate, non-competitive activities.
2. Each 4-H Cloverbud may bring one exhibit for display in the Cloverbuds' booth, which may include a product, poster, or notebook for a show-and-tell experience similar to consultation judging, except the "judge" talks to the kids without ranking exhibits.
3. Pets cannot be included in overnight exhibits, so if a Cloverbud brings an approved pet to the show and tell time (including: Amphibians (frogs/toads), Ant Farms, Cats, Dogs, Fish, Gerbils, Guinea Pigs, Hamsters, Mice, Parakeets, Rabbits and Rats), a picture may be brought to display in the booth during the fair. No livestock can be exhibited.
4. The 4-H Cloverbuds may not participate as a competitive exhibitor and are not eligible to receive premiums or awards, except for the special 4-H Cloverbuds prize or participation ribbon.

\*Class 210 – Cloverbuds Show and Tell

**COMPUTER SCIENCE**

Superintendent:..... Bethany Jessup  
 Teen Leader.....William Jessup

**AWARDS/PREMIUMS:**

Purple -- \$2.50    Blue -- \$2.00    Red -- \$1.50    White -- \$1.00

**GUIDELINES**

1. The 4-H computer project teaches concepts related to computers, hardware knowledge, software programming and applications, internet safety, the building, maintenance and repair of computers and future career opportunities. Please note that the actual construction of computer hardware (i.e., building a computer, electronic devices with a mother-board

- based manipulation) will remain in the Energy Management division.
2. The 4-H members must be currently enrolled in the 4-H Computer Science project to exhibit in this division.
  3. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year.
  4. Exhibitor's name, county or district, 4-H age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster. See the last section for full details about exhibiting posters, display boards and notebooks.
  5. 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**

The Kansas 4-H 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).

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

1. All exhibits must be:
  - a. Self-contained on a USB drive (thumb drive, flash drive, jump drive, or other any other name for a small USB storage device; the rules will use "USB drive"). This means that a judge can plug in the USB drive into a computer and be able to run the exhibit as described below.
  - OR
  - b. System -On-A-Chip (SOC) (such as Raspberry Pi) or a Micro-Controller (such as an Arduino or Ozobot) AND is a compact (less than 4-8"X 4-8"X 4-8") system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a "chip system" through the rest of the rules.
2. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
3. "Chip 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.
4. 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, can also be classified as a robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in the both divisions.
5. 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.
6. All revisions of all forms previously released for the SPACETECH division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
7. For all computer system entries the following items are required as part of an exhibit packet:
  - a. A manila envelope with the Computer Exhibit Form attached to the front, this form can be downloaded at <http://computers.engtech4ks.com/> This form must be attached to the outside of a 10" x 13" manila envelope. Do not tie the envelope to the exhibit.
  - b. A USB drive labeled with the 4-Hers name, county/district, and club; in a way that does not prevent it from being plugged into a computer.
  - c. For exhibits that are entered only 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. This is what will be displayed during the fair, all other materials will be sent back to the county/district office. On the back side of the graphic the 4-Her's name, county/district, and club should be listed.
  - d. Instructions to run any part of the exhibit on the USB drive.  
(There should be at least two (2) items in your manila envelope: USB drive and instructions).
8. Each exhibit must be accompanied by a "4-H Engineer's Journal." The engineer's journal should be typed. It can either be included electronically on the USB drive (preferred) or printed and placed in the manila envelope.
  - a. The "4-H Engineer's Journal" should start with a dated entry describing what the 4-H member is trying to accomplish/build.
  - b. The "4-H Engineer's Journal" should conclude with a dated entry describing what the 4-H member achieved in creating. (The start and end many times will be different. The judges are interested in the journey).
  - c. Additional entries in the "4-H Engineer's Journal" should be made as progress occur describing successes and failures; as well as the steps done and any sources of information including links used.
  - d. Pictures can also be included in the "4-H Engineer's Journal" but should not be more than 50% of the entries.
  - e. The "4-H Engineer's Journal" should contain at least one graphic.
  - f. The "4-H Engineer's Journal" must be at least 3 pages in length.
  - g. An example of a "4-H Engineer's Journal" can be found at <http://computers.engtech4ks.com/>
  - h. The "4-H Engineer's Journal" will comprise 25% of the overall exhibit score. Failure to include a "4-H Engineer's Journal" will result in the exhibit being disqualified.
9. If the exhibit is a program, application, app, web site, or requires any coding, the source code must be included on the USB drive. Failure to include a copy of the "source code" may result in up to one ribbon place deduction.
10. Flow diagrams or decision trees showing the logical flow of code must be included on the USB drive for all exhibits. Power Point presentations, for example, would not require a decision tree or flow diagram.
11. A set of instructions must be provided to run the computer system /application. These instructions should be printed off and included in the exhibit package and a copy should be included on the USB drive.
  - a. It is recommended that 4-Hers bring a computer that will run their project to the county fair for judging as judges typically do not bring computers with them. Operating instructions are still required.
  - b. Instructions should be written as though you were helping a less techy person, (like a grandparent) use the USB drive

- with a computer similar to what is described below. Instructions example available at: <http://computers.engtech4ks.com/>
12. Each exhibit must accomplish a specific automated task using a computer, a chip system, or virtual machine (VM).
  13. Kansas 4-H SPACETECH has made available Linux Virtual Machines (VMs) that can be downloaded and used to create projects on such as web servers, networking, and many other projects. For more information on how these VMs can be leveraged or to download them visit <http://computers.engtech4ks.com/> 4-Hers are not required to use the VMs in their projects. They are optional.
  14. 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.
  15. 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.
  16. 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.
  17. Judging will be based on a score sheet which can be found at <http://computers.engtech4ks.com/>

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

Class 5591 – Computer presentation (power point, web page/site, animated graphics, etc.)

Class 5592 – Single computer system (web server, database server, etc.)

Class 5593 – Networked system consisting of two or more computers

Class 5594 – Chip system - a small (4-8"X4-8"X4-8") programmed physical device that accomplishes a specific task

### **Educational Exhibit Rules**

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology areas of astronomy, computers, rocketry, robotics, or uncrewed aerial systems, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://computers.engtech4ks.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.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. Exhibits should possess the following qualities (in no particular order):
  - a. A Central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Computer System
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
14. Posters, Notebooks, and Display Boards may be checked out for use in a Kansas State Fair 4-H demonstration or illustrated talk with prior permission. For permission, check with the superintendent(s). The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified.

Class 5771J – Junior Computer Educational Poster

Class 5772J – Junior Computer Display Board

Class 5773J – Junior Computer Notebook

Class 5771 – Intermediate Computer Educational Poster

Class 5772 – Intermediate Computer Display Board

Class 5773 – Intermediate Computer Notebook

Class 5776 – Senior Computer Educational Poster

Class 5777 – Senior Computer Display Board

Class 5778 – Senior Computer Notebook



## DOG

Superintendent: ..... Austyn Werner  
Assistant Superintendent: ..... Jodie Carstens, Kenda Stapel  
Teen Leader..... Jaden Boyle

### **AWARDS/PREMIUMS:**

Purple -- \$7.00      Blue -- \$5.00      Red -- \$3.00      White -- \$2.00

### **GUIDELINES**

#### **READ GENERAL RULES**

1. Proof of current rabies and parvo-virus vaccination must be presented to veterinarian or show committee at registration on the day of the show to be eligible to compete. DHL (Distemper, Hepatitis, and Leptospirosis) is recommended.
2. Any abuse of dogs on the grounds or in the ring will result in disqualification.
3. No dog in the season will be allowed to show.
4. Well-fitting collar of leather, chain, or fabric is to be used for obedience.
5. Entries may be made in a higher classification but cannot regress past prior accomplishments.
6. Any dog fouling the ring will receive a white ribbon.
7. Baiting dogs is not allowed.
8. All Phillips County 4-H Dog Project members who are 9-18 years of age, meet county qualifications and earn a blue or purple in showmanship, obedience or agility are eligible to compete in the Kansas State Fair 4-H Dog Show. For a list of other Kansas State Fair qualifying dog shows, visit: <https://www.kansas4-h.org/events-activities/conferences-events/dog/local-dog-events/index.html>
9. Youth must attend at least 3 practice sessions with a dog before July 15<sup>th</sup> entry deadline to exhibit at fair.
10. The Phillips County Fair and Kansas State Fair Dog Show follow the rules published in the [Kansas 4-H Dog Show Rule Rules 4H1120](#), which includes scoresheets for each event, which are used to determine ribbon placings.
11. Submit a 4x6 picture of 4-H'er and pet attached to an 8X11 cardstock by July 15<sup>th</sup>. Decorate page as you wish, include 4-H'ers name and name of the animal. Will be used to display ribbon placing at the fair. The page will not be judged

**SHOWMANSHIP COMPETITION** – Showmanship competition is judged on dog grooming, cleanliness and brushing, tone and condition of coat, healthy appearance, grace and ease, handler coordination with dog, dog response to the handler and movement of the dog with a straight and even gait. Ribbons will be awarded based on points as follows:

Purple...95-100 points      Blue...90-94.5 points      Red.....80-89.5 points      White...79.5 points or less

Class 3600 – Junior Showmanship

Class 3602 – Intermediate Showmanship

Class 3605 – Senior Showmanship

**OBEDIENCE COMPETITION** – Obedience provides the opportunity to demonstrate the teamwork between handler and dog necessary to work under a variety of conditions. The judge will evaluate how well the dog and handler are able to perform various exercises. Refer to [Kansas 4-H Dog Show Rule Rules 4H1120](#) for class requirements and judging scoresheets. Once a handler/dog team scores 170 points or greater twice at an Obedience level, they are required to move up to the next level the following year. A handler/dog team may decide to advance to a higher level of Obedience without qualifying to do so, but once a team advances, they may NOT return to a lower level of competition. Obedience ribbons will be awarded based on points as follows:

Purple...190-200 points      Blue...170-189.5 points      Red.....150-169.5 points      White...149.5 points or less

\*Class 3607 – Pre-Novice A - NOT ELIGIBLE FOR KANSAS STATE FAIR - For first-year handlers with first-year dogs only. All exercises are done on leash.

\*Class 3608 – Pre-Novice B - NOT ELIGIBLE FOR KANSAS STATE FAIR - For first or second-year handlers, experienced handlers with a puppy, or experienced handlers with a dog not ready to progress beyond this level. An experienced handler has shown a dog before. A puppy means a dog under the age of 12 months as of September 30<sup>th</sup>, of the current year. Dogs in this class must not have training beyond this level. All exercises are done on leash.

Class 3609 – Novice A - For first-year handlers or experienced handlers with dogs that have not had training beyond this level. All but one exercise is performed off leash.

Class 3610 – Novice B - For experienced handlers or experienced dog. Experienced means the handler has shown a dog before or the dog has been shown previously. All but one exercise is performed off leash.

Class 3615 – Graduate Novice. For all qualifying handlers and dogs who have passed Novice A or B. All but one exercise is performed off leash.

Class 3620 – Open A - For all handlers and dogs who have passed advanced novice. All exercises are off leash.

Class 3625 – Open B - For all handlers and dogs who have passed Open A. All exercises are off leash.

Class 3630 – Utility - For all handlers with a dog that passed Open B. All exercises are off leash.

**AGILITY COMPETITION** – Handlers teach a variety of obstacles to provide basic training and exercise leading 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. Refer to [Kansas 4-H Dog Show Rule Rules 4H1120](#) for class requirements and judging scoresheets. Dogs must be at least 12 months old before competing in Agility. A handler/dog pair may only enter in one Agility class. Once a handler/dog team scores 190 points or greater twice at an Agility level, they are required to move up to the next level the following year. A handler/dog team may decide to advance to a higher level of Agility without qualifying to do so, but once a team advances, they may NOT return to a lower level of competition. Agility ribbons will be awarded based on points as follows:

Purple...190-200 points      Blue...170-189.5 points      Red.....150-169.5 points      White...149.5 points or less

\*Class3639 – Pre-Agility - ON LEASH, NOT ELIGIBLE FOR KANSAS STATE FAIR.

Class 3640 – Agility I - OFF LEASH for those handler/dog pairs who have advanced by previously earning 2 purple ribbon scores of 190 points or more in on-leash agility at separate dog shows prior to October 1, 2023 (Ex: purple ribbon in agility at Phillips County Fair in 2022 and 2023).

Class 3641 – Agility II - OFF LEASH for those handler/dog pairs who have advanced by previously earning 2 purple ribbon scores of 190 points or more in Agility I at separate dog shows prior to October 1, 2023 (Ex: purple ribbon in Agility I at Phillips County Fair and Kansas State Fair in 2023).

**ELECTRIC & RENEWABLE ENERGY**

Superintendent: ..... Mike Suchsland

**AWARDS/PREMIUMS:**

Purple -- \$4.00      Blue -- \$3.00      Red -- \$2.00      White -- \$1.50

**GUIDELINES**

1. READ GENERAL RULES.
2. This division is intended to show the principles of electricity learned and applied by exhibitors.
3. The article should be cleaned before exhibiting if it has been used.
4. A sheet of operating instructions must be furnished for any exhibit not self-explanatory.
5. The exhibit shall be operable. If battery power is required, batteries shall be included as part of exhibit.
6. 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 access to examine the quality 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, the difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must work with batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 4602 – Electronics Projects. 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 a 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'.

**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 backboard. 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 wind power as a renewable energy source. Include hypothesis, background research, variables, a control data, findings, conclusions and recommendations for future study.

Quota: An exhibitor may enter up to three items in this division, but only one article per class.

**ENTOMOLOGY**

Superintendent: ..... Candy Krafft

Teen Leader: ..... William Jessup

**AWARDS/PREMIUMS:**

Purple -- \$2.00      Blue -- \$1.75      Red -- \$1.50      White --\$1.00

Resources for exhibiting can be found on the State Kansas 4-H Website:

<http://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html>

## GUIDELINES

1. READ GENERAL RULES.
2. 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.
3. During the transition, Orders & Family names should follow the taxonomy either as printed in "Insects in Kansas" book or as printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows [www.bugguide.net](http://www.bugguide.net) Project members are encouraged to progress towards second option by 2019 or as revised "Insects in Kansas" book is available.
4. Each exhibitor is required to identify each box with two identification labels bearing Exhibitor's name, county or district, the collection class 4-H'er is enrolled in and statement of taxonomy used: "Insects in Kansas" book or "Insects in Kansas Book: 2016 Revised Taxonomy", which follows [www.bugguide.net](http://www.bugguide.net) 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.
5. The number of orders, specimens (and families where required) must be included on both of the exhibitor's box identification labels. Only one adult insect per species can be used in the Collection Boxes and Notebook Classes, unless labeled as male or female and correctly identified
6. The arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Arrangements that run lengthwise of the box are frequently downgraded in judging. Specimens are to be arranged by Order in the box, then Family where required. The sequence arrangement of the Orders in the box will be left up to the member. It is suggested to put the Lepidoptera and Coleoptera in the center of the collection (for Intermediate and Advanced Classes to put these two orders in a box). Then work the other orders around them.
7. For each collection class, two labels will be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label should include date/locality. Full county name and state abbreviation on the second label are required. Collector's name on the date/locality label is optional
8. 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. Other specimens from the United States may be included as long as they are properly labeled and placed in a separate section of the box labeled "Out of State Insects". These specimens will not be included in the count for judging/scoring. The emphasis in judging will be placed on the overall variety of insects represented in the collection, accuracy of identification, skill and technique acquired in the mounting of specimens, and overall arrangement and appearance of the collection.
9. Only specimens of the class Insecta should be included. This means specimens from arachnids, such as spiders, millipedes, centipedes, ticks, mites, etc. will not be judged or included in overall specimen county.
10. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
11. 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
12. Specimens of soft-bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol-filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit

\*Class 4899 – Introductory Entomology (first-year members only)- Insect collection, at least 6 orders, including 15 to 30

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

Class 4901 – Beginning 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](http://www.bugguide.net) - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera

On a piece of paper list what you did to improve your collection during the current year. Examples: what insects did you add or replace; what orders and/or families you added; what Leadership you provided in this project; and/or what insects you have studied. Attach paper to the front of one of the display boxes. Members can exhibit in this class a maximum of 3 years. A 4-H'er may move up if they receive a purple ribbon.

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

## NOTEBOOK CLASSES

### General Guidelines

1. Individual entries are to be placed for display in a three-ring notebook for competition. During the transition, Orders & Family names should follow the taxonomy either as printed in "Insects in Kansas" book or as printed on the "Insects in Kansas Book: 2016 Revised Taxonomy", which follows [www.bugguide.net](http://www.bugguide.net)
2. 4-Hers who have been previously enrolled in or are currently enrolled in the other phases of the Entomology project need to start with the Beginning Phase of Entomology Notebooks, not the Introductory phase. Each exhibitor is required to identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitors 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](http://www.bugguide.net) The number of orders, specimens, and families (required in Intermediate and Advanced classes) must also be included on the Title Page.
3. 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.
4. Date, common name, full county name and state abbreviation should be included for each species. Collector's name on the specimen page is optional.
5. Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
6. 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.
7. 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.
8. For the Intermediate and Advanced classes, insects are also to be grouped by the family behind each order divider.
9. 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 front of the notebook.
10. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.
11. 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)

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](http://www.bugguide.net) - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera

Members can exhibit in this class a maximum of 3 years. A 4-H'er may move up if they receive a purple ribbon.

Class 4910 – Advanced Entomology Notebook- Display a minimum of 100 and a maximum of 200 species representing at least 12 orders. Follow the general rules listed for Notebooks, including the Special project. Follow the general guidelines listed for Notebooks. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above six orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. Members may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.

## EDUCATIONAL DISPLAY CLASSES

### General Guidelines

1. If the exhibit is a wooden display box, it must be 18 X24 X 3.5 inches with a clear plastic top (such as plexiglass) and displayed horizontally. If the exhibit is a poster, it must not be larger than 22" X 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' X 4' tri-fold display board.
2. Name and county/ district must clearly be marked on educational exhibits. Information on numbers and kinds of insects is not needed for educational exhibits.
3. Displays may consist of specialized groups of insects or their close relatives, or relate to any aspect of their behavior, biology or ecology.
  - a. Displays should be presented in a clear, concise, and interesting manner.
  - b. Displays should include only work performed during the current year.
  - c. Title of the exhibit should be indicated inside the box.
  - d. The purpose of the project is to learn more about the importance, life cycles, biology, ecology, diversity, etc. of insects and related arthropods subject matter can be as varied as the animals themselves.
  - e. Creativity is encouraged!

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

listed for the Educational displays.

Class 4904 – Intermediate Educational Display- Class for individuals that are exhibiting in the Intermediate Collection or Intermediate Notebook Classes. If only exhibiting in this category, then ages 11-14. Follow the general rules listed for the Educational displays.

Class 4906 – Advanced Educational Display- Class for individuals that are exhibiting in the Advanced Collection or Advanced Notebook Classes. If only exhibiting in this category, then ages 13 or older. Follow the general rules listed for the Educational displays.

**FIBER ARTS**

Superintendent: ..... Sally Brandon

**AWARDS/PREMIUMS:**

Purple -- \$4.00      Blue -- \$3.00      Red -- \$2.00      White -- \$1.50

**GUIDELINES**

1. READ GENERAL RULES.
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 the 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"x2 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 the waistband, as if you were wearing the garments.
4. All articles/garments must be finished for use.
5. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
6. Special considerations will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
7. Attach an index card, no larger than 4" x 6", to give the judge any information on what parts of the exhibit they made, processes used, or other information which may be helpful for the judge. Indicate if item was made from a kit. For ALL items, indicate fiber content. For quilted items indicate who did the quilting and binding.
8. Fiber Arts Educational Notebook - Share what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts. Follow copyright laws. Name, local unit and fiber art covered must be clearly marked in the notebook.
9. Each exhibitor is limited to 6 exhibits.

Class 4111 – Crochet, an article, including felted items. See # 7 above

Class 4112 – Knitting, an article made either by hand or by a knitting machine, including felted items. See # 7 above

Class 4113 – Needle Arts, an article created by hand using a) embroidery/cross-stitch; b) needlepoint; c) candle wicking; d) crewel; e) lacework; f) appliqué

Class 4114 – Patchwork or Quilted Article-It is an acceptable practice for the exhibitor to create the patchwork or quilted article and have someone else quilt it, see # 7 above.

Class 4115 – Rug Making, a rug – braiding, latch hook, tying, floor cloth, etc. The finished product should be an item that would be used in the home.

Class 4116 – Spinning, a skein – minimum 10 yards in length about the type of loom/process used, see # 7 above. Woven wood reed basket, should be exhibited in Visual Arts.

Class 4117 – Weaving, a woven article – attach information.

Class 4118 – Ethnic Arts, an article. A Fiber Art/textile technique associated with a specific country/culture. It is a practical skill developed to provide basic family needs such as apparel, home furnishings or decorations; also defined as a method that has been maintained throughout history and passed on to others, often by observation and by example such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Attach information on the history of the ethnic fiber art, where it was used, by whom, how it was used, a short description of the technique, etc. See # 7 above.

Class 4119 – Macramé, an article.

Class 4120 – Fiber Arts Educational Notebook

**FOODS AND NUTRITION**

Superintendent: ..... Sandy Reimer

Assistant Superintendents: ..... Linda Heersink and Kelly Taylor

Teen Leader..... Caitlyn Engle, Mara Kats, Lydia Walker

Bake Sale Superintendent: ..... Amy Miller

Teen Leader:..... Hannah Walker

**AWARDS/PREMIUMS:**

Purple -- \$4.25

Blue -- \$4.00

Red -- \$3.50

White -- \$3.00

**GUIDELINES**

1. READ GENERAL RULES.
2. Complete recipes with ingredients and instructions must be attached with the entry, or the placing will be lowered one ribbon when judged.
3. 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>
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.
5. Alcohol (ex. Wine, beer and hard liquor) is not allowed as an ingredient in food entries. Entries with alcohol will be disqualified and not be judged.
6. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should have 7 exhibited of the same shape and from the same recipe. Exhibit one large item, such as a loaf of bread, cake or pie.
7. Under baked entries will be lowered one or more ribbon placings.
8. 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.
9. Attach label to bottom of plate or cardboard. Label templates are available here, or make your own with the following information: Class Number, Food Product Name, 4-H member's Name, and County or District.
10. 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.
11. 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.
12. Attach the entry form and recipe to the outside of the wrapped exhibit. Do not wrap forms in plastic. Failure to do so will result in the exhibit being lowered one ribbon placing.
13. Educational Exhibits: May be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" x 28". Displays are not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county or district must be clearly marked on educational exhibits. The educational exhibit evaluation form will be provided at judging time. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.
14. After the product has been judged, a piece of the product will be on display. All items, except those in the 4-H Food Silent Auction, MUST be sold in the Bake Sale with proceeds going to the premium fund. The bake sale will start at 1 PM.
15. 4-H FOOD SILENT AUCTION
  - a. Foods that will be in the silent food auction are Grand Champion Food Item, Reserve Grand Champion Food Item, Champion Cake, Champion Layer Cake, Champion Whole Wheat Food, Champion Cookie, Champion Yeast Bread, Champion Quick Bread (not containing yeast) and Champion Pie in the 4-H Food Division.
  - b. Bidding will begin after foods judging and run during the fair ending at 6:00 PM Monday night. Whoever has the highest bid on each item at the close of the auction at 6:00 PM, will be the official buyer.
  - c. A 4-H member may only sell one item in the silent auction and will receive all the proceeds from the item sold.
  - d. Items sold in the silent auction will not receive additional premium money for the ribbon on that item.
  - e. The 4-H member must be present at 6:15 PM when silent auction buyers are announced before the Livestock Premium Auction and take a picture with the buyer.
  - f. The 4-H member must bake the food item again and deliver it to the buyer at a pre-arranged time within two weeks after the fair.
16. An exhibitor may enter up to 6 items in Class 4300 and Class 4306 combined, plus 1 entry in Class 4301.
17. Non-perishable food exhibits entered by exhibitors who were 9 by January 1<sup>st</sup> of the current 4-H program year receiving a purple ribbon are eligible for the Kansas State Fair, subject to Kansas State Fair class entry quota limits.

Class 4300 – Non-perishable Food Product

Class 4301 – Educational Exhibit

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 Page | 63 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. Canning jars should not be used for baking per manufacturer's instructions. They could break during baking.

**The following classes will not be eligible to exhibit at the Kansas State Fair and will not be sold at the bake sale.**

- \*Class 283 – 4-H Basket of Bread – must contain three shapes and two kinds of dough. At least nine and not over twelve items. May include one loaf of bread, any type. Bring a sample of each kind for the judge so that the arrangement of the basket will not be disturbed. The basket will not exceed twelve inches in width and fifteen inches in height. A recipe for each type should also be included
- \*Class 284 – 4-H Cookie Jar – Cookie jars must be wide-mouthed, clear glass or plastic, and decorated attractively. Cookie Jars should include at least three types of cookies and no more than five. One individually wrapped sample of each cookie should be provided and identified in a small box. Recipes should also be included.

\*Class 285 – Flop Class – Any food item that you decided to remake. This class will be judged on what you learned and how you fixed the problem. Will not be judged on taste or appearance. (limit one entry)

### FOODS PRESERVATION GUIDELINES

- All exhibits must have been preserved since the previous year's county fair.
- Recipes and processing methods from the sources below are recommended. Recipes must be from current, tested resources listed below AND MUST BE ADJUSTED FOR ALTITUDE based on your processing location, or it will be disqualified. Processing methods that will be disqualified include: open kettle-canning, oven canning, sun canning and using electric multi-cookers. Untested recipes will be disqualified for food safety reasons. Tested recipe sources 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 Recipes](#)
  - [National Center for Home Food Preservation](#)
  - [Ball™ and Kerr](#)
- Alcohol is not allowed as an ingredient in food preservation entries. Entries with alcohol in the recipe will not be judged.
- Each exhibit must have the complete recipe and instructions attached with the entry card, or it will not be judged. Recipe must include exhibitor name, recipe source, date of publication and altitude of the location where the food was processed. If using Mrs. Wage's or Ball mixes, indicate the date purchased.
- Exhibits must be processed in clean, clear standard canning jars, with matching brand (ex: use Ball® lids on Ball® jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not use colored jars, fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex: Pickled asparagus). Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe (ex: Salsa is canned in pint jars only, no quarts). Note: There are 12-ounce, 24-ounce and 28-ounce canning jars available and may be used. Use pint jar process recommendations for 12- ounce jars. Use quart jar process recommendations for 24 ounce and 28- ounce jars.
- Each jar exhibited must be labeled. The label must not cover the brand name of the 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. A template to make adhesive labels is available at: [Food Preservation Labels](#) Labels are also available at the Extension Office.
- Classes 4350-4355 will require one jar for each class.
- Hole punch entry card and use a rubber band to attach the entry card and recipe around the top of the jar.
- If a dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 to 1/2 cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160°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°F will be disqualified and not be judged. Heating information can be found in ["Dry Meat Safely at Home"](#)

Class 4350 – Sweet Spreads, Syrups  
 Class 4351 – Fruits, Juices, Fruit mixtures  
 Class 4352 – Low Acid Vegetables  
 Class 4353 – Pickles Fermented Foods, Relishes, and Chutney

Class 4354 – Tomato/Tomato Products, Tomato Juice, and Tomato Salsas  
 Class 4355 – Canned Meats  
 Class 4356 – Dried Foods One Small Jar

### FORESTRY

Superintendent: ..... Sara Olson  
 Assistant Superintendent: ..... Vincent Jones

### AWARDS/PREMIUMS:

Purple -- \$3.00      Blue -- \$2.00      Red -- \$1.50      White -- \$1.00

- 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" x4". Name, club, age, and year in the project should be on the front cover or in a prominent location. 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>
- Name, club, age, and year in project should be on front cover or in a prominent location.
- Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) The proper common name as listed in the 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.
- Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees. (<https://www.bookstore.ksre.ksu.edu/pubs/4H334.pdf>)
- Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees.
- New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.
- Group specimens according to the years collected (ex. "old-previous years" and "new")

8. Variations of varieties do not count as different species or specimens.
9. 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.
10. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
11. In all leaf collections (Division A – Intermediate Forester), exhibit one complete leaf where possible. If the 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.
12. All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.

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

Class 5100 – Forestry Collection: Beginning (Choose either A or B)

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

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

Class 5101 – Forestry Collection: Intermediate (Choose either A or B)

A. Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. The 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 leaves, twig and fruit specimens.

Class 5102 – Forestry Collection: Senior (Choose either A or B)

A. Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. The exhibit can include no 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 leaves, twig and fruit specimens.

Class 5103 – Forestry Collection: Advanced (Choose either A or B)

A. Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. The 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 leaves, 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 bur lapped tree. Maximum tri-fold size is 3'x4'

### **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 – Display: Entry may include collected wood samples (all or partial) and a 500- word 2-page essay. Wood sample display to be mounted on poster board or any stiff material no larger than a 3' x 4' tri-fold. The essay should be displayed in a covered binder.

### **Educational/Creative Exhibit**

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

## **GEOLOGY**

Superintendent: ..... Tony Imm

Assistant Superintendent: ..... Anthony Imm

### **AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White -- \$1.50

### **GUIDELINES**

1. READ GENERAL RULES.
2. All entries will be placed in standard Plexi-glass covered wooden boxes with outside measurements of 18" x 24" x 3 ½". 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. Screws, locks, or other devices that would prevent judges from removing Plexi-glass cover should not be



used.

3. Identify each display box by placing an identification label with name, county, and number of specimens in the upper left-hand corner of the Plexi-glass 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). The inside label also indicates the class number.
4. Geology specimens shall be labeled with the number of specimens, date collected, specimen name or description, and locality (county) where collected.
5. Mount specimens in the box by the proper groups/rocks-minerals-fossils.
6. For geology classes 5199, 5200, 5201, 5202, and 5203 all specimens must be collected (not purchased) from locations in Kansas. Out-of-state specimens will not count in the minimum number for the class, nor will they be considered in the judging.

\*Class 5199 – Introductory phase was created for young geology collectors. Suggested ages: 7-9 or interested beginners any age.

1. Years in class: 2 maximum
2. Display box: cardboard flat, covered with clear plastic wrap to protect the specimens.
3. Display at least 9 (3 rocks, 3 minerals, 3 fossils to 15 maximum)
4. Labels: date-locality labels required on each specimen.

Class 5200 – Display at least 15 rocks, minerals or fossils. Limited to one exhibit box. Those exhibiting at the State Fair for the first time may enter this class. Fossils must be identified to Phylum level.

Class 5201 – Display at least 30 rocks, minerals, or fossils, at least five of each. Five must be collected during the current 4-H Year. Limited one exhibit box. Fossils must be identified to Phylum level.

Class 5202 – Display at least 45 rocks, minerals or fossils, at least 5 of each. Exhibit limited to two boxes. The exhibit must include approximately 5 specimens of current year’s work. Rocks must be identified by their proper name and type. Fossils must be identified to the Phylum level.

Class 5203 –Display at least 60 rocks, minerals, or fossils, at least 5 of each. Also, identify class and Genus levels if possible.

Class 5204 –Geology Educational Exhibit: Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. Exhibit limited to 4 feet of table space. **Care should be taken to use durable materials that will withstand fair conditions.**

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. 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). Specimens must be labeled with the number of the specimen, date collected, the name of the specimen, the county where collected and chemical composition (ie: CaCO<sub>3</sub> for calcite) if known

Class 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 (Brachiopod, 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.

### LAPIDARY CLASSES

The lapidary will be judged on the following criteria:

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

All lapidary specimens should be labeled with the following information

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

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

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

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

Class 5303 – Lapidary. Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H’er, at

least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

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

### HONEY

Superintendent: ..... Sara Olson

#### **AWARDS/PREMIUMS:**

Purple -- \$2.00      Blue -- \$1.75      Red -- \$1.50      White -- \$1.00

#### **GUIDELINES**

1. READ GENERAL RULES.
2. Honey exhibits must be packed in clean, one-pound Queen Line jars, with new lids.
3. Each exhibit must have the entry form attached to the lid. No labels are to be placed on the glass portion of the jar.
4. All exhibits will be opened and tested by the judge. Jars must be properly sealed when entered.
  - \*Class 330 - Two, one-pound Queen Line jars, light honey.
  - \*Class 331 - Two, one-pound Queen Line jars, amber to dark honey.

### HORTICULTURE & LANDSCAPE DESIGN

Superintendent: ..... Sara Olson

Assistant Superintendent: ..... Vincent Jones, Ethan Olson

#### **AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White -- \$1.50

#### **GUIDELINES**

1. READ GENERAL RULES.
2. For more information, see "Exhibiting and Judging Fruits and Vegetables", KSU Publication C-405.
3. To properly identify your exhibit, attach a string to the entry form and tape or tie the string to the plate or exhibit.
4. Fruits & vegetables can be exhibited by any 4-H member who has been responsible for the care of the plants during the current 4-H year.
5. Multiple exhibits may be entered but only one variety of each species per class.
6. A County fair exhibitor (9-18 years of age) earning a purple ribbon on an out-of-season vegetable (e.g. early peas) is eligible to exhibit another vegetable (e.g. pumpkins) in its place at the State Fair.

#### **VEGETABLES**

- \*Class 2499 – Odd or Misshapen Fruit or Vegetable (Participation ribbon only)
- Class 2500 – Garden Display - Exhibit consists of five different fresh vegetables. Canned vegetables are not acceptable. Only one variety of a specific vegetable may be exhibited. The numbers of the five vegetables to be exhibited are as follows: Large vegetables (one each) example: watermelon, squash, pumpkin, eggplant, cabbage, & cantaloupe; medium vegetables (five each) example: Cucumbers, tomatoes, beets, onions, peppers, okra, parsnips, Irish and sweet potatoes, or similar size vegetables. If small, fresh vegetables, such as green beans are used - a dozen is suggested for a good display. Shelled vegetables should not be exhibited.
- Class 2501– Small Vegetable Specimen Plate (12 each). Examples: green snap beans, yellow wax beans, cherry tomatoes, other small vegetables.
- Class 2502 – Medium Vegetable Specimen Plate (5 each). Examples: cucumbers, tomatoes, beets, onions, peppers, okra, parsnips, turnips, potatoes, sweet corn, carrots, kohlrabi, & other medium vegetables.
- Class 2503 – Large Vegetable Specimen Plate (1 each). Examples: watermelon, cabbage, eggplant, cantaloupe, honeydew, pumpkin, squash, zucchini.

#### **FRUITS**

- Class 2505 – Small Fruit (12)
- Class 2506 – Tree Fruit (5)
- Class 2507 – Grapes (3 clusters)
- Class 2514 – Other Fruit (5)

#### **ORNAMENTAL**

- \*Class 2508 – Pumpkin, miniature (3)
- \*Class 2509 – Gourds, small (3)
- \*Class 2510 – Gourds, large (1)
- \*Class 2511 – Corn, novelty (3 ears)
- \*Class 2512 – Other ornamental vegetables (1)

#### **HERBS & NUTS**

- Class 2504 – Herbs – 6 stems fresh samples, must be exhibited in fresh water.
- \*Class 2513 – Nuts (5)

#### **FLOWERS**

- Class 5600 – Garden Flower, single stem, annual.
- Class 5601 – Garden Flower, single stem, perennial.
- Class 5602 – Flower Arrangement, fresh flowers.
- Class 5603 – Flower Arrangement, dried plant material, no fabric or plastic materials.

\*Class 5605 – A Potted Plant, blooming.

\*Class 5606 – A Potted Plant, foliage

**HORTICULTURE NOTEBOOK**

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-Hers are encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. 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%

**INTERIOR DESIGN & ARCHITECTURE**

Superintendent: ..... Sue Kipp

**AWARDS /PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White --\$1.50

**GUIDELINES**

1. READ GENERAL RULES.
2. Open only to members enrolled in home environment project. Exhibits must have been made or selected during the current club year.
3. Articles may have been used, but if so, shall be carefully laundered or cleaned before being exhibited.
4. Poster or notebooks may have swatches, colors, stories, photographs, and project records which detail what was accomplished this year with a given indication of long-term plans
5. An entry card must be attached to the exhibit with safety pin(s) or tape and string
6. A member may make only one exhibit in this division.
7. A summary including plans, explanation of how the items was made or refinished, and how it fits into the color and design of the room. Summary could also include project inspiration, challenges, who helped you, and any other information that could be helpful to the judge. Summary should be in a plastic protective sleeve and attached to exhibit.
8. Projects with missing or insufficient summary will be lowered one ribbon placing (i.e. a blue ribbon exhibit will receive a red ribbon).
9. Exhibits should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday-specific items are discouraged.

Class 4400 – Single Exhibit. An article (furniture, fixtures, interior or exterior, etc.) made or refinished by the 4-H member for the home. Must include attached summary.

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

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

Class 4403 – Piece of repaired or refinished furniture.

**NOTEBOOKS AND POSTERS**

Superintendent: ..... Sue Kipp

**AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.00      Red -- \$1.50      White -- \$1.00

**GUIDELINES**

1. READ GENERAL RULES.
2. Entries may be by club or individual and must represent a project carried by the club or individual.
3. Scrapbooks should place more emphasis on what one individual has done in the project -- not just a lot of literature pasted in a book, which doesn't tell the judges about the exhibitor.
4. All entries must be the current years' work. Past years' work may be included in the entry, but designated by years in a separate section.
5. Notebooks and Displays will be judged on the following points:
  - a) Stopping Power ..... 15  
Is the main idea specific? Is the idea presented clearly, simply, forcefully?
  - b) Interest, Holding Power ..... 15

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

c) 4-H Project Application ..... 15  
Is the subject matter an effective showcase?

d) Mechanical Power ..... 15  
Correct letter size, pleasing color combination, appropriate symbols, and models

e) Personal Growth ..... 25  
How much knowledge was gained by exhibitor? Was enthusiasm shown?

f) Educational Value ..... 25  
Knowledge Shared. Note: Credit all citations, websites or other resources used in creating your exhibit.  
Posters will be judged on the following points:

g) General Appearance ..... 30

h) Information ..... 50

i) Organization ..... 20

- \*Class 370 – Posters
- \*Class 371 – Club Notebooks (treasurer, secretary, etc.)
- \*Class 372 – Notebooks
- \*Class 373 – Educational Displays

**PETS**

Cats Superintendent: ..... Myrna Goracke  
Hand Pets Superintendent: ..... Ashley Gottschalk

**AWARDS/PREMIUMS:**

Purple -- \$3.00    Blue -- \$2.00    Red -- \$1.50    White -- \$1.00

**CAT GUIDELINES**

1. READ GENERAL RULES.
2. Submit a 4x6 picture of cat & 4-H'er on an 8.5" x 11" cardstock by July 15<sup>th</sup> to extension office. Decorate page as you wish, include 4-H'ers name and name of the animal. Will be used to display ribbon placing at the fair. The page will not be judged.
3. Proof of current rabies and FVRCP vaccination copy due with entry tag, and must be presented the day of the show to be eligible to compete.
4. Members are to care for and groom one or more cats. Cats may be purebred or crossbred, male or female.
5. Keep records on cost and care and feeding of cat.
6. Cats will be judged and inspected on health and grooming.
  - a. Cat - clean, smooth, free of loose hair.
  - b. Ears - clean inside.
  - c. Eyes - clean and healthy.
  - d. Nails - must be clipped.
  - e. Teeth - free of tartar.
7. Cats must be free of fleas, ear mites, lice & ticks and should be free of scars & worms.
8. Also judged on personality - disposition and color of cat and reaction to the owner.

\*Class 180 – Kitten Health and Grooming (4-8 months)

\*Class 182 – Cat Health and Grooming (male 9 months and older)

\*Class 181 – Cat Health and Grooming (female 9 months and older)

\*Class 183 – Mother and Kittens (kittens under 4 months)

**HAND AND AQUARIUM PET GUIDELINES**

1. READ GENERAL RULES.
2. Hand pets need to be owned and in the possession of the 4-H member before May 1 of the current year.
3. They will be judged 50% on the condition of the animal and 50% on the 4-H member's knowledge and showmanship (how they handle the animal).
4. Submit a 4x6 picture of 4-H'er and pet attached to an 8X11 cardstock with entry by July 15<sup>th</sup>. Decorate page as you wish, include 4-H'ers name and name of the animal. Will be used to display ribbon placing at the fair. The page will not be judged.

**HAND PETS**

\*Class 380 – Gerbils

\*Class 383 – Rats and Mice

\*Class 381 – Hamsters

\*Class 384 – Ferrets

\*Class 382 – Guinea Pigs

\*Class 385 – Other

**AQUARIUM PETS**

\*Class 386 - Aquarium Pet

## PHOTOGRAPHY

Superintendent..... Beau Van Loenen, Jacque Bretton  
Teen Leader:..... Savannah Bretton

### **AWARDS/PREMIUMS:**

Purple -- \$4.50    Blue -- \$3.50    Red -- \$2.50    White -- \$1.50

### **GUIDELINES**

1. READ GENERAL RULES.
2. WE FOLLOW STATE FAIR RULES.
3. Photographs entered must be the result of the current year's project work by the 4-H member. Photos must be taken by the 4-H Member (exhibitor).
4. Black and white or color photos may be exhibited.
5. Exhibitor is limited to 4 color prints and 4 Black and white prints. No more than **8** total entries.
6. All photos must be **NO larger than 8" X 10"** and **NO smaller than 7" X 9"** after trimming, except for the sequence classes.
7. Photos are to be mounted across the narrow (11") dimension of an 11" X 12.5" sheet of white or cream studio mount board, either side of the board. **The top edge of the print must be 1 " below the top of the mount. The sides of the print must be equal distance from the two sides of the mount.** A permanent mount must be made using photographic dry mounting tissue, "3-M Spray #77 Adhesive" and "3-M Sprayment", or equivalent. Remove white border from the enlargement before mounting. Mounting boards may be purchased from the county Extension Office.
8. No lettering is permitted on the mount or on the photo (includes dates). No underlays or borders are to be used. **No writing on the picture.**
9. The exhibitor entry form must be completed and taped to the front bottom of the photo matte board.
10. On the back of the mount, write: the exhibitor's name, address, photo class, the location where the photograph was taken and the Extension Unit ("Phillips-Rooks District, Phillips County)
11. To protect pictures from dust and moisture, **place mounted photo in clear plastic bag. Do not seal the bag.** These can only be purchased at the Extension Office.
12. All black and white prints will be judged together in each class. All color prints will be judged together in each class.
13. Entries in the sequence series of four pictures may be mounted vertically or horizontally. Arrange a series on one mount with a minimum of 1/4 inch between pictures. **REMOVE ALL BORDERS.**
14. Improperly mounted photos will be awarded a ribbon one placing lower than the placing determined by the official judges.
15. 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.
16. Digital Composite Image: Finished photo must be created from two or more original sources created by exhibitor. Photos will be judged on photographic merit as well as manipulation technique and process.

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. (Black and white prints only).

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

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

Class 4806 – Digital Composite Image - Photo must be created from originals taken by the exhibitor. Exhibitor must include a second 11 x 12½"matte board (Explanation Board) mounted with standard size prints of the original photos, 3 x 5 card(s) explaining what manipulation was done and a standard size print of the final photo. Optional, may include prints of editing steps. Photos showing editing steps may be layered. Please put name and Extension Unit on the front of the second board. Explanation Boards will be displayed as a group to explain and promote the class. Place both matte boards in the same protective plastic bag

\*Class 396 – Sequence of 4 Pictures Telling a Story (landscape, human interest, animal or action).

\*Class 397 – Panoramic View Photo, (may be mounted horizontally.)

### **Portfolio Classes-** May have 1 entry per Portfolio Classes

#### **Class 4807 – Growth Portfolio**

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

#### **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.
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

## POULTRY

Superintendent: ..... Tonya Hopson  
 Assistant Superintendent:..... Lisa Dusin

### **AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White -- \$1.50

### **GUIDELINES**

1. READ GENERAL RULES.
2. Read and follow "Selecting and Preparing Poultry for Exhibition" available at the Extension Office.
3. All poultry exhibited in this department must have been hatched during the current year, except classes with three hens and classes for mature birds.
4. Judging will be done primarily on the basis of exhibition qualities as described in "The American Standard of Perfection". Disqualifications will bar competition in these classes. Judging of classes 3205 thru 3210 will be done on the basis of production qualities only.
5. All birds must have been owned by members before May 1.

Class 3201 – Standard Breeds - Large Fowl - One young cockerel

Class 3202 – Standard Breeds - Large Fowl - One mature cockerel

Class 3203 – Standard Breeds - Bantams - One young cockerel

Class 3204 – Standard Breeds - Bantams - One mature cockerel

Class 3205 – Production Pullets - Pen, 3 Standard bred, Crossbred, or Strain cross.

Class 3206 – Production Hens - Pen, 3 Standard bred, Crossbred, or Strain cross.

Class 3207 – Dual Purpose Pullets - Pen, 3 Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.

Class 3208 – Dual Purpose Hens - Pen, 3 Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.

\*Class 3209 – Meat-type Chickens-Pen, 3 Standard bred, Crossbred, or Strain-cross birds of the same sex.

Class 3210 – Turkeys, all breeds - 1 bird of either sex.

Class 3211 – Ducks, all breeds - 1 bird of either sex.

Class 3212 – Geese, all breeds - 1 bird of either sex.

Class 3221 – Standard Breeds - Large Fowl - One young pullet

Class 3222 – Standard Breeds - Large Fowl - One mature hen

\*Class 3232 – Standard Breeds - Large Fowl- One mature cockerel & two hens

\*Class 3223 – Standard Breeds - Bantams - One young pullet

\*Class 3224 – Standard Breeds - Bantams - One mature hen

\*Class 3231 – Standard Breeds -Large Fowl-One young cockerel & two pullets

\*Class 3233 – Standard Breeds - Bantams- One young cockerel & two pullets

\*Class 3234 – Standard Breeds - Bantams- One mature cockerel & two hens

\*Class 3242 – Hen with chicks

\*Class 3243 – Poultry, any breed - 1 pullet

\*Class 3244 – Poultry, any breed - 1 cockerel

\*Class 3245 – Peafowl (peacocks, guineas, etc.)

### **PIGEONS**

1. READ GENERAL RULES.
2. All entries must be a single bird.
3. Members may not enter more than two birds per class regardless of breed. Each exhibitor is limited to eight birds.
4. Judging by comparison only, using the latest standards of National Pigeon Association.
5. Classes will be offered for all standard breeds approved by the National Pigeon Association. Be sure to designate breed on the entry form.

\*Class 42 – Old Cock (hatched in previous calendaryear)

\*Class 426 – Old Hen (hatched in previous calendar year)

\* Class 427 – Young Cock (hatched in this calendar year)

\*Class 428 – Young Hen (hatched in this calendar year)

## RABBIT

Superintendent:..... Ashley Gottschalk

### **AWARDS/PREMIUMS:**

Purple -- \$3.00      Blue -- \$2.50      Red -- \$2.00      White -- \$1.50

## GUIDELINES

1. READ GENERAL RULES.
2. 4-H'er must own & have rabbit in possession by May 1 of the current year.
3. Each rabbit must be legibly and permanently tattooed in the left ear for identification.
4. All standard purebred rabbits will be judged according to their breed standard as listed in the American Rabbit Breeders Association "Standard of Perfection".
5. Crossbred rabbits may be entered, but cannot be shown at the State Fair.
6. Only one entry per class, per variety, per breed, may be shown by 4-H members.

Class 3402 – Intermediate Buck (6-8 Months)  
Class 3400 – Senior Buck (8 months of age and over)  
Class 3405 – Junior Doe (under 6 months of age).  
Class 3404 – Junior Buck (under 6 months of age).  
Class 3403 – Intermediate Doe (6-8 Months)  
Class 3401 – Senior Doe (8 months of age and over)

Class 3420 – Meat Pen (3) Rabbits, all 1 breed/variety,  
will be judged on meat qualities, condition,  
& uniformity, maximum weight 5 lbs. each.  
Class 437 – Doe with Bunnies

## ROBOTICS

Superintendent:..... Bethany Jessup  
Teen Leader:..... William Jessup, Brayden King

### AWARDS/PREMIUMS:

Purple -- \$3.00    Blue -- \$2.50    Red -- \$2.00    White -- \$1.50

1. The exhibit must have been completed during the current 4-H year and member must be enrolled in Robotics.
2. 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.
3. 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.
4. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds.
5. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robot's dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container. (Examples: 4"X4"X36" or 4"X8"X18" or 6"X6"X16) The container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitors' name(s) and county or district.
6. 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.
7. 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 or flammable liquids or 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.
8. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable. Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
9. Each robot must be in operable working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete the required tasks for this current 4-H year.
10. Each exhibitor is required to complete the "[4-H STEM Robotics Exhibit Information Form](#)". This form must be attached to the outside of a 10" x 13" manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
11. The exhibit must include written instructions for operation, construction plans, one to three pages of project photographs or a 5-minute CD, DVD, or video presentation, and robot programming information, if applicable
12. Creativity, workmanship, and functionality will be strong criteria in judging the "Robot designed by Exhibitor" classes.
13. Exhibitor's name(s) and county or district must be tagged or labeled in a prominent location on the robot, educational display, notebook and/or poster board. Sources of scientific information must be cited on the front of your exhibits, including all posters and educational display boards.
14. Team project notebooks must be organized in a 3-ring binder and should highlight information/roles of each team member, drawings, charts, photographs, goals, and objectives of your robotics project, and all robotic competitions your team has competed in during the current 4-H year.

Class 5509J – Robot made from a commercial (purchased) kit. (no programming, just assembly) by a junior exhibitor.

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

Class 5511J – Programmable robot made from a commercial (purchased) kit by a junior exhibitor.

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

Class 5544J – Junk Drawer Robotics made by a junior exhibitor.

Class 5509 – Robot made from a commercial (purchased) kit. (no programming, just assembly) by an intermediate exhibitor.

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

Class 5511 – Programmable robot made from a commercial (purchased) kit by an intermediate exhibitor.

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

- Class 5544 – Junk Drawer Robotics made by an intermediate exhibitor.
- Class 5513 – Robot made from a commercial (purchased) kit (no programming, just assembly) by a senior exhibitor.
- Class 5514 – Robot designed by senior exhibitor, must not be a mere modification of an existing robot kit or plan.
- Class 5515 – Programmable robot made from a commercial (purchased) kit by a senior exhibitor.
- Class 5547 – Robot designed and constructed by senior exhibitor or from a commercial kit, that is operated by a remote-controlled device.
- Class 5545 – Junk Drawer Robotics made by a senior exhibitor.

**TEAM ROBOTICS PROJECT**

Class 5517 – Robot designed and constructed by two or more 4-H 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 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.

**Educational Exhibit Rules**

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology areas of astronomy, computers, rocketry, robotics, or uncrewed aerial systems, educational exhibits outside of these Engineering and Technology areas should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of ag-mechanics, ABC, astronomy, computers, robotics, rocketry, or UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://robotics.engtech4ks.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.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. 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.
11. Exhibitor's name, Extension Unit, 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.
12. Exhibits should possess the following qualities (in no particular order):
  - a. A Central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Astronomy, Computer System, Robotics, Rocketry, or Uncrewed Aerial Systems
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
14. Posters, Notebooks, and Display Boards may be checked out for use in a Kansas State Fair 4-H demonstration or illustrated talk with prior permission. For permission, check with the superintendent(s). The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified.

- |   |   |
|---|---|
| 5756J – Junior Robotics Educational Display       | 5761 – Senior Robotics Educational Display  |
| 5757J – Junior Robotics Educational Notebook      | 5762 – Senior Robotics Educational Notebook |
| 5758J – Junior Robotics Educational Poster        | 5763 – Senior Robotics Educational Poster   |
| 5756 – Intermediate Robotics Educational Display  | 5766 – Team Robotics Educational Display    |
| 5757 – Intermediate Robotics Educational Notebook | 5767 – Team Robotics Educational Notebook   |
| 5758 – Intermediate Robotics Educational Poster   | 5768 – Team Robotics Educational Poster     |

**SELF-DETERMINED**

Superintendent: ..... Sue Kipp

**AWARDS/PREMIUMS:** based on similar project area



**GUIDELINES**

- 1. READ GENERAL RULES.
- 2. Must be enrolled in the Self-Determined Project by May 1<sup>st</sup> of the current 4-H program year.
- 3. Classes will be determined by superintendents.

Class 440 – Self Determined project

**SEWING & TEXTILE DESIGN**

Judging Superintendent: ..... Amy Johnson  
 Fair Superintendent: ..... Kelli King  
 Teen Leader.....Brayden King

**AWARDS/PREMIUMS:**

Grand Champion Constructed Item: Senior -- \$10.50 Intermediate -- \$8.00 Junior -- \$5.50  
 Reserve Champion Constructed Item: Senior -- \$10.50 Intermediate -- \$8.00 Junior -- \$5.50  
 Purple-- \$4.00 Blue -- \$3.25 Red -- \$2.50 White -- \$1.75

**GUIDELINES**

- 1. READ GENERAL RULES.
- 2. Entries must be submitted through Fair Entry by 5 PM on July 8<sup>th</sup>.
- 3. Consultation judging will occur on July 16<sup>th</sup> at 8:00 AM at the Huck Boyd Center according to the posted schedule.
- 4. During the Fair Entry process, exhibitors will need to submit a picture of each article or the 4-her wearing each garment or outfit. Exhibitors should be aware of fabric content, care instructions and the cost of materials for the consultation judging.
- 5. All work must be the product of the exhibitor during the current 4-H year. Exhibitors must be enrolled in the Sewing & Textile Design Project for the current 4-H year, as well.
- 6. Articles, garments and outfits may have been used/worn, but should be carefully laundered or cleaned before being exhibited.
- 7. Entries must be displayed at Phillips County Fair to receive ribbons and premiums. Items should be hung on swivel or wire hangers for display with the hanger opening facing the side of the garment that is on the left when worn.
- 8. Identification Labels (these should be sewn in the garment or attached with a safety pin, NO straight pins can be used to attach label)
  - A. Type or print on a 3" x 2½" piece of cloth: Class Number, County or District, Name.
  - B. Attach labels on inside of garment (back of neck, center back of waistband or left end of apron). Label each piece.
- 9. Pre-cut kits are acceptable for all clothing classes. All articles/garments must be finished for use.
- 10. Members with garments entered in Sewing & Textile Design must enter the Sewing & Textile Design Constructed Garment Fashion Revue, so the fit of the garments can be judged. If an exhibitor has entered more garments than can be modeled within the Sewing & Textile Design Constructed Garment Fashion Revue 2 entry limit, then they may choose to model some garments with the others judged in Sewing & Textile Design only. Garments made for someone other than the exhibitor may be judged in Sewing & Textile Design only.
- 11. An exhibitor may enter a total of six entries (articles or garments). A garment is a clothing item intended to be worn as apparel. An outfit is a set of garments intended to be worn together. An article is any sewn item that is not worn as clothing, which could include accessories (Ex: aprons, headbands, etc.) or non-wearable items (Ex: pillowcases, bags, etc.)
- 12. Educational Exhibit Classes: share with others what you learned in the Sewing & Textile Design Project. Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials that will withstand fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22" by 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board. Name and County/District must be clearly marked on educational exhibits.
- 13. Recycled Clothing Project: an item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment or re-purposing a clothing item for a new use. Must include sewing of some kind. An index card (no larger than 4"x6") MUST accompany entry describing the recycled materials and how they were used in the item.
- 14. Exhibitors who were 9 or older by January 1<sup>st</sup> of the current 4-H program year may send up to 2 Sewing & Textile Design exhibits, as long as they are in separate classes (for example, 1 constructed article or garment and 1 recycled item) that receive a purple at the county fair to the Kansas State Fair. Exhibitors should check the 2024 Kansas State Fair 4-H Exhibitor Handbook for additional details. Please note that class numbers may change between county fair and state fair due to age grouping differences.

Class 4000 – Junior Constructed Article, Garment/Outfit	Educational Exhibit
Class 4001 – Junior Sewing & Textile Design	Class 4004 – Senior Constructed Article, Garment/Outfit
Educational Exhibit	Class 4005 – Senior Sewing & Textile Design
Class 4002 – Intermediate Constructed Article, Garment/Outfit	Educational Exhibit
Class 4003 – Intermediate Sewing & Textile Design	Class 4006 – Article or Garment Constructed of Recycled Materials

**SEWING & TEXTILE DESIGN FASHION REVUE AND SHOPPING IN STYLE REVUE**

Fashion Revue Superintendent: ..... Kelli King  
 Assistant Superintendents: ..... Alexis Holling, Alyssa Stites

**AWARDS/PREMIUMS:**

Grand Champion -- \$5.00      Reserve Champion -- \$4.00  
Purple -- \$3.00    Blue -- \$2.50      Red -- \$2.00      White -- \$1.00

**GUIDELINES**

1. READ GENERAL RULES.
2. Sewing & Textile Design Constructed Garment Fashion Revue and Shopping In Style Fashion Revue entries must be submitted via Fair Entry, including the following items (forms can be found in Fair Entry or on the Phillips County 4-H Wakelet), by **JULY 8<sup>TH</sup> at 5:00 PM:**
  - a. Fashion Revue Score Card and Cost Per Wear Form available on [Phillips County 4-H Wakelet](#)
  - b. Picture of the 4-H member wearing the outfit
  - c. Public Fashion Revue Script- 4-H members will provide a written script which should be 4-6 sentences in length. Write it exactly as you want it read during the Public Fashion Revue. Include 4-H'ers first name (no last name) and 4-H club somewhere in the first sentence. Some descriptors may include: fabric, colors, accessories, where you will wear the outfit, what you like best, etc. Feel free to include hobbies and other information about yourself. Please **DO NOT** include brand names of clothing or accessories or names of specific stores in your script, these will not be read.
3. A participant may only enter what can be worn. Garments cannot be carried, except in the case of removing a jacket during modeling to showcase the shirt worn underneath. Contestants should use good sense in choosing items that are appropriate to modeled publicly.
4. No live animals may accompany participant in either category of Fashion Revue, except needed service animals.
5. Youth must participate and be present at the Public Fashion Revue at 7:30 PM on the day of judging and display the outfit during the Phillips County Fair to be eligible to receive a premium. All Public Fashion Revue participants must rehearse modeling on stage while their script is read after their outfit is judged. Please listen for any pronunciation errors and help get those corrected at that time.
6. Judging will start at 8:00 a.m. on Tuesday, July 16th, at the Huck Boyd Community Center in Phillipsburg and will be based on garment fit, color selection, appropriateness of the outfit for the occasion(s) selected, value of the outfit chosen for the price paid, accessory choices, overall member grooming, poise when modeling and project knowledge (such as fabric content, care and cost per wear).
7. Sewing & Textile Design Constructed Garment Fashion Revue is for constructed garments and exhibitors must be enrolled in the Sewing & Textile Design Project for the current 4-H program year to enter this division. Majority of the outfit must be constructed and modeled by the 4-H member who made the garment/outfit. Participants must sew everything which is commonly considered an outer garment (vest, jacket, dress, skirt, pants, coat, etc.). A sweater, blouse or shirt worn underneath another constructed garment can be purchased or made. If a top has been constructed, members should not cover that with a purchased layer of outer wear. Participants should indicate which items were constructed and which items were purchased on their entry paperwork.
8. Shopping In Style Fashion Revue exhibitors must be enrolled in the Shopping In Style Project for the current 4-H year. Majority of the outfit must be purchased (not borrowed) and modeled by the 4-H member or made by another individual for the 4-H member if the fabric and pattern were chosen by the 4-H member. Everything which is commonly considered an outer garment must be purchased by the 4-H member or constructed by another person (vest, jacket, dress, skirt, pants, coat, etc.) during the current 4-H program year.
9. Kansas State Fair Eligibility: In Sewing & Textile Design Constructed Garment Fashion Revue, the Intermediate and Senior Champion and Reserve Champion will be eligible for the Kansas State Fair competition. There will not be separate divisions for boys and girls in Shopping in Style Fashion Revue at the Kansas State Fair, so the Intermediate and Senior Boys and Girls Shopping in Style Fashion Revue Champions will be eligible to compete at the Kansas State Fair with Reserve Champions serving as alternates. All entries must also meet Kansas State Fair requirements for eligibility, consult the 2024 Kansas State Fair 4-H Exhibitor Handbook for details.

**SEWING & TEXTILE DESIGN CONSTRUCTED GARMENTS REVUE**

\*Class 4014 – Junior Constructed Garments Revue  
Class 6005 – Intermediate Constructed Garments Revue  
Class 6000 – Senior Constructed Garments Revue

**SHOPPING IN STYLE REVUE**

*Class 6012 – Junior Girls Shopping in Style Revue	*Class 6022 – Junior Boys Shopping in Style Revue
Class 6020a – Intermediate Girls Shopping in Style Revue	Class 6020b – Intermediate Boys Shopping in Style Revue
Class 6010a – Senior Girls Shopping in Style Revue	Class 6010b – Senior Boys Shopping in Style Revue

**PUBLIC FASHION REVUE SCRIPT AND DECORATIONS**

Stage Management..... Lone Prairie  
Decorations..... Iowa Union

**4-H SHOOTING SPORTS**

Superintendent.....Anthony Imm

**AWARDS/PREMIUMS:**

Purple -- \$3.00    Blue -- \$2.00    Red -- \$1.50    White -- \$1.00

**GUIDELINES**

1. A member may make only one entry in this division.

2. Exhibits in this division are open to educational displays, promotional posters or experiential displays. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials to withstand fair conditions.
3. The exhibit size rule will be strictly enforced. Exhibits exceeding the size guidelines will be penalized one ribbon color.
4. Educational Display: must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3'x4'; unless there is a topper that sits on top of the board and does not take up additional table space; no additional table space available for promotional brochures or display items; content not to exceed display board borders.
5. Promotional Posters: must be flat and no larger than 22"x30"; content not to exceed display board borders; Failure to follow size limitations will penalize entry one ribbon color. Posters may be displayed on the wall.
6. Notebooks: must be displays in an 8 1/2" x 11"
7. Exhibitors must comply with state and federal laws and Phillips County Fair policies.
8. No "live" ammunition containing propellant or explosive powders may be used in any display! An inert substitution must be used in lieu of powder and "live" ammunition. The substitution must be clearly described on the back of the poster, display or in a notebook.
9. The Phillips County Fair Association, Phillips County 4-H Council and the K-State Research and Extension Phillips-Rooks Extension District are not liable for the loss or damage of any personal property included as part of your poster, display or notebook.
10. Name, county or district, age and years in the project should be on the front of the poster, display or notebook, unless special arrangements are made due to declination or publicity release.
11. Exhibits will not be accepted if they are related to reloads.

Class 6200 – Educational Display – Must be directly related to the 4-H Shooting Sports project. (standard tri-fold boards only, no larger than 3'x4')

Class 6201 – Promotional Poster – Must promote 4-H Shooting sports (flat poster no larger than 22"x30"

Class 6202 – Notebook – Contents pertain to some phase, results, story or information about 4-H Shooting Sports.

### SHOPPING IN STYLE

Superintendent:.....Kelli King

#### **AWARDS/PREMIUMS:**

Grand Champion -- \$5.00      Reserve Champion -- \$4.00  
 Purple -- \$3.00    Blue -- \$2.50      Red -- \$2.00      White -- \$1.00

#### **GUIDELINES**

1. READ GENERAL RULES
2. Must be enrolled in the Shopping In Style Project for the current 4-H program year.
3. Posters can be flat poster board or foam board, no larger than 22" x 28".
4. Tri-fold educational displays must be freestanding and no larger than 36" x 48".
5. Photos of 4-H member in purchased outfit must demonstrate criteria as outlined on the [scoresheet](#). Consider multiple angles, good light and highlight details so that the judge may accurately evaluate the exhibit.
6. Exhibits should include actual photos of 4-H member in garments, and may also include pictures from magazines or the internet.
7. 4-H members who were 9 or older as of January 1<sup>st</sup> of the current 4-H program year who receive a purple at the county fair are eligible to enter at the Kansas State Fair, see 2024 Kansas State Fair 4-H Exhibitor Handbook for details.
8. Exhibit one of the following options that align with the 4-H member's Shopping in Style level. **These activities are included in the Shopping In Style curriculum available for purchase as a [download](#) or in [print](#) from the University of Nebraska Lincoln Extension Marketplace.**

Class 4020 – Junior Shopping in Style: Choose one of the following activities from Unit 1 or Unit 2 of the curriculum project manuals. Exhibit should consist of **poster no larger than 22" x 28"** that showcases:

- A. a garment you purchased that reflects your personal style and explains how this garment reflects your style and how it influences what others think of you; OR
- B. a garment you purchased and explains how your personal style either aligns or contradicts what is considered to be "in style" today. OR
- C. a garment you purchased and explains or illustrates how this garment is a modern version of a fad or fashion from an earlier decade; OR
- D. a garment you purchased and explains how this garment reflects a different ethnic or cultural influence; OR
- E. a garment you purchased and includes a color discussion that provides an overview of how different colors complement different hair colors and skin tones and how that influenced garment selection.

Class 4021 – Intermediate Shopping in Style: Choose one of the following activities from Unit 3 or Unit 4 of the curriculum project manuals. Exhibit should consist of a **display no larger than 36" x 48"** that showcases:

- A. an outfit you purchased to wear with a clothing item that was already in your wardrobe that still fit but you didn't wear anymore. Explain why the clothing item was not being worn and what you did to transform it into a wearable garment again. OR
- B. a top and bottom that you purchased, as well as at least three pieces of clothing in your existing wardrobe that you can mix and match with the new items to create multiple outfits. Include a clothing inventory and explain what you have learned by completing this activity. OR
- C. an outfit you purchased and explain why you selected the garment you did, your shopping budget, and cost per

- wear; OR
- D. an outfit you purchased and explain how advertising influences clothing purchases making a distinction between wants and needs. Include your shopping budget and cost per wear. OR
- E. an outfit you purchased along with a cost comparison between garments/accessories purchased versus sewing/constructing the outfit. Comparison should include variety of shopping options and/or price tracking at stores over a period of time.

Class 4022 – Senior Shopping in Style: Choose one of the following activities from Unit 5 or Unit 6 of the curriculum project manuals. Exhibit should consist of a **display no larger than 36” x 48”** that showcases:

- A. an outfit you purchased and care requirements not only for this garment but also for garments made of other natural and synthetic fibers. Display should also include a care cost analysis for garments of different fibers; OR
- B. an outfit you purchased which you have repaired or altered. Include a clothing inventory list which includes cost savings for repaired items as compared to purchasing replacement garments; OR
- C. an outfit you purchased along with plans and commentary for a fashion show that that would capture the attention of an audience. Plans should identify target audience, venue, theme, budget, and logistical plan for the fashion show, OR
- D. an outfit you purchased and explain 3 methods of clothing repair that you have learned, i.e. torn seam, torn hem, replacing a button, etc. Display should also include photos and list of your assembled clothing first aid kit. Include itemized expenses; OR
- E. An outfit you purchased, and feature any other completed activity from the Shopping in Style curriculum of your choosing that isn't listed above.

### SMALL ENGINES

Superintendent: ..... Mike Suchsland

#### **AWARDS/PREMIUMS:**

Grand Champion -- \$5.00      Reserve Champion -- \$4.00  
 Purple -- \$3.00    Blue -- \$2.50    Red -- \$2.00    White -- \$1.50

#### **GUIDELINES**

1. READ GENERAL RULES.
2. Only those who have met the requirements of the small engine project are eligible to exhibit in this division.
3. An exhibitor may enter up to three items in this department, but only one article per class.
4. All exhibits should involve engines smaller than 20 horsepower for classes 4610-4612. Engines should contain no fuel in tank or carburetor.
5. Displays are limited to 4' wide and 4' deep - both upright and floor displays.
6. The article should be cleaned before exhibiting, if it has been used.
7. A sheet of operating instructions must be furnished for any exhibit not self-explanatory.
7. Each exhibit must have a [score card](#) completed and attached securely.

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 the experiments that are included in the project books. No complete engines, lawn tractors, tillers or 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 troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers or chainsaws are permitted for display. Maximum tri-fold size is 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. All displays must be self-standing. Maximum tri-fold size is 3' x 4'.

### UNCREWED AERIAL SYSTEM

Superintendent:..... Bethany Jessup  
 Teen Leader:..... William Jessup, Brayden King

#### **AWARDS/PREMIUMS:**

Purple -- \$3.00    Blue -- \$2.50    Red -- \$2.00    White -- \$1.50

#### **GUIDELINES**

1. READ GENERAL RULES.
2. Each exhibitor may enter one exhibit per class. Exhibits must have been completed during the current 4-H year.
3. Exhibitors who were 9 or older by January 1<sup>st</sup> of the current 4-H program year and earn a purple at the county fair will be eligible to enter at the Kansas State Fair. See the 2024 Kansas State Fair 4-H Exhibitor Handbook for additional details.
4. 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

<http://uas.engtech4ks.com/>. Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon. All revisions of forms previously released for the department dated prior to the 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.

5. Each exhibit MUST include a video of the youth operating their UAS. This allows judges to get a better understanding of the exhibit and allows the youth the opportunity to fully demonstrate their exhibit. The video should be no longer than 8 minutes and should be placed on a USB drive or micro/SD card or, if desired, uploaded to YouTube as an unlisted video with a link or a QR code to that video included in a file titled "Video Link" or printed on a separate sheet of paper. For the Phillips County Fair, the exhibitor will need to provide a computer or device for video playback, so the video may also be saved to that device.
6. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
7. Uncrewed Aerial System that include or depict weaponry of any kind will be disqualified.
8. See the last section for full details about exhibiting posters, display boards and notebooks.
9. For scratch built UAS kits, if modifications are made to the exhibit, a page should be attached noting those modifications.
10. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
11. For practical application entries, the UAS is not required to be displayed as part of the exhibit, only the supporting material.
12. The same UAS may be used by multiple exhibitors for different practical application entries.

Class 5699 – Junior Uncrewed Aerial System designed and constructed by exhibitor that is operated by a remote-controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.

Class 5700 – Junior Practical Application of an Uncrewed 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 5701 – Intermediate Uncrewed Aerial System designed and constructed by exhibitor that is operated by a remote-controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.

Class 5702 – Intermediate Practical Application of an Uncrewed 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 5706 – Senior Uncrewed Aerial System designed and constructed by exhibitor that is operated by a remote-controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.

Class 5707 – Senior Practical Application of an Uncrewed 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.

### **Educational Exhibits Rules**

1. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
2. Exhibits are to have a clear link to the Engineering and Technology area of uncrewed aerial systems, educational exhibits outside of this Engineering and Technology area should be displayed in the other program areas. Just because an educational exhibit relates to the broad concept of Engineering and Technology does not qualify it to be displayed in the Engineering and Technology Educational Exhibit area. Exhibits that do not clearly show a clear and direct relationship to the Engineering and Technology project areas of UAS as previously defined will be disqualified.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. 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 available at <http://uas.engtech4ks.com/> For example, a UAS 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.
5. 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.
6. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. No card table exhibits will be allowed. Care should be taken to use durable materials that will withstand fair conditions.
7. "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.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three-dimensional poster or display board exhibits may not be thicker than 2 inches.
10. Exhibitor's name, Extension Unit, 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.
11. Exhibits should possess the following qualities (in no particular order):

- a. A central theme
  - b. What you want others to learn
  - c. Be designed and constructed in a manner befitting the exhibit
  - d. Be something you are interested in
  - e. Be related to Uncrewed Aerial Systems
12. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit may be awarded a participation ribbon, at the judge's discretion,

\*Class 5778 – Junior Uncrewed Aerial System Poster  
 \*Class 5779 – Junior Uncrewed Aerial System Display Board  
 \*Class 5780 – Junior Uncrewed Aerial System Notebook  
 Class 5781 – Intermediate Uncrewed Aerial System Educational Poster  
 Class 5782 – Intermediate Uncrewed Aerial System Display Board

Class 5783 – Intermediate Uncrewed Aerial System Notebook  
 Class 5786 – Senior Uncrewed Aerial System Educational Poster  
 Class 5787 – Senior Uncrewed Aerial System Display Board  
 Class 5788 – Senior Uncrewed Aerial System Notebook

### VETERINARY SCIENCE

Superintendent:.....Sue Kipp  
 Teen Leader.....Lydia Walker

#### **AWARDS/PREMIUMS:**

Purple -- \$3.00    Blue -- \$2.50    Red -- \$2.00    White -- \$1.50

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

#### **GUIDELINES**

1. READ GENERAL RULES.
2. A Veterinary Science exhibit may consist of a poster, notebook or project display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
3. If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves and other appropriate veterinary medical practices.
4. First-Aid Kits: Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated print-outs or empty packaging of pharmaceuticals.
5. Veterinary Science Posters: This exhibit presents the viewer with a design that is simple and direct, unlike a display that usually presents more information. A poster should not exceed 22" x 30" and may be either vertical or horizontal.
6. Veterinary Science Displays: A display may include but is not limited to: a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a 3-ring binder or another bound notebook format.
7. Veterinary Science Notebooks: Individual entries are to be placed for display in a 3-ring notebook for competition. Notebooks may not be larger than 8 1/2" x 11".
8. Neither the Phillips County Fair Association nor the KSRE Phillips-Rooks Extension District are liable for the loss or damage of any personal property included as part of your poster, display or notebook.
9. Name, county/district, age and year in project should be on the front of the poster, display or notebook.
10. Appropriate topics include:
  - Maintaining Health
  - Specific disease information
  - Photographic display of normal and abnormal characteristics
  - Animal health or safety
  - Public health or safety
  - Proper animal management to ensure food safety and quality
  - Efficient and safe livestock working facilities
  - A topic of the exhibitor's choosing related to veterinary medicine or veterinary science.
11. Because these are science displays, all references and information must be properly cited. Proper sources include, but are not limited to: Professional journals and publications, professional AVMA accredited websites, interviews with veterinarians and excerpts from Veterinary Educational Literature. Plagiarism will result in a disqualification. Please study your topic and present the information to your audience in your own words.

Class 7000 - 4-H Veterinary Science Large Animal Poster, Notebook or Display  
 Class 7001 - 4-H Veterinary Science Small Animal Poster, Notebook or Display

## VISUAL ARTS

Superintendent: ..... Abby Graham  
Assistant Superintendents ..... Alexis Holling  
Teen Leader: ..... Evan Slavik, Kaden Graham

### **AWARDS/PREMIUMS:**

Purple -- \$2.50    Blue -- \$2.00    Red -- \$1.50    White -- \$1.00

### **GUIDELINES**

1. READ GENERAL RULES.
2. All entries must be the work of the exhibitor during the current 4-H program year.
3. All entries in classes 4501-4505 must be an original design created by the exhibitor. Articles made from kits that result in designs created by someone else or articles created to replicate someone else's design (such as from tutorial where you follow the exact steps to get the same product) are not considered original and are not acceptable in these classes. Examples of kits include: paint by numbers, diamond paintings with a pre-printed design, felt or foam craft kits with pre-cut pieces, or 3D wooden model kits that are assembled. Any entry that was created using a kit or as a replica of someone else's design must be entered in class 4506. Keep in mind that a judge suspecting that an item entered as an original design was made from a kit can typically easily find the kit used with a quick internet search and, at the judge's discretion, an exhibit may be disqualified for claiming a kit was an original design. If you make something from a kit, please use the appropriate class. If you aren't sure whether it is a kit or not, please ask the Extension Office prior to entering.
4. All Visual Arts exhibits are evaluated on correct use of design elements, craftsmanship and creativity.
5. In order for an item to be considered for Best Recycled Item, an exhibitor must declare that an item was made with recycled, reused or repurposed materials during the Fair Entry process. The Best Recycled Item can come from any class.
6. All exhibits which need to be hung (including all fine arts) **must** have a wire or saw tooth hanger attached (no string or tape). If necessary hardware is not attached, one ribbon color will be deducted and the item may not be displayed.
7. Multi-piece items should be marked accordingly. Each item in the exhibit must have a tag or sticker with exhibitor's name.
8. Exhibitors are limited to six total exhibits in the Visual Arts department, but can have multiple entries in a class.
9. 4-H members should exhibit in the project in which they are enrolled. The Fiber Arts Project offers classes for quilting, embroidery, counted-cross stitch, etc., and those items are not allowed in Visual Arts in the 4-H Division.
10. No plants or plant materials needing watering can be entered as an art display or item.
11. All exhibits are entered at your own risk. The Phillips County Fair Association and Phillips-Rooks Extension District are not responsible for any loss or damage.
12. The Kansas State Fair allows each county to submit one entry from each of the five categories in classes 4501-4505 (Fine Arts, Clay and Ceramics, Leather and Jewelry, Three-Dimensional, and General Crafts) for a total of five entries. If Phillips County does not have an entry for one of the classes, a second entry may be sent in another class to meet the five-entry county quota. All Kansas State Fair entries must be original designs. If any copyrighted materials were used or ideas replicated, exhibitors will need to include written permission from the original source. However, the Kansas State Fair will not accept large art items, so exhibits must be manageable size to be easily transported and displayed by one person. Judges will be asked to select alternates in the event an exhibit is selected that is not

Class 4501 – Fine Arts: Oil, chalk, charcoal, dyes pastels, pencil, ink, acrylic, or watercolor on canvas, canvas board, paper, wood, metal, or textiles, framed as a picture, prepared for hanging. Stretched canvas art on a wooden frame is considered prepared for hang provided that frame has a hanger. Creation must be of the artist's original design and not from a kit.

Class 4502 – Clay and Ceramics: Any original item made of clay; may be fired or unfired, hand formed, or thrown on wheel. Self-hardening, fire/oven cured, and/or a cornstarch clays are acceptable. Items can include, but are not limited to, clay statues, bowls, etc. Creation must be of the artist's original design and not from a kit.

Class 4503 – Leather and Jewelry: Any leather stamping, carving, tooling, lacing, or stitching piece of any jewelry piece made from any medium are acceptable exhibits. Creation must be of the artist's original design and not from a kit.

Class 4504 – Three Dimensional: The piece must be observable on at least three sides and should be either free-standing or prepared to be hung. Craft and pre-formed or assembled projects are not acceptable. Creation must be of the artist's original design and not from a kit.

Class 4505 – General Crafts: This category incorporates miscellaneous pieces that do not correspond to the four, above-mentioned categories. Creation must be of the artist's original design and not from a kit.

\*Class 4506 – Project Made from a Kit: Any item within the Visual Arts category that was made from a kit and is NOT the creator's own original design. This includes replicating someone else's design that you've seen online, social media, or on display somewhere, even if not from a kit. This class is NOT eligible for the Kansas State Fair.

## WILDLIFE

Superintendent.....Tony Imm  
Assistant Superintendent.....Anthony Imm

### **AWARDS/PREMIUMS:**

Purple -- \$2.50    Blue -- \$2.00    Red -- \$1.50    White -- \$1.00

### **GUIDELINES**

1. A member may make only ONE entry in this division.
2. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS. It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds. Game birds and game animals taken legally during an open season may be used. The use of live wild animals in educational exhibits is prohibited.

3. All exhibits are entered at your own risk. The Phillips County Fair Association and Phillips-Rooks Extension District are not responsible for any loss or damage.
4. Name, county or district, age and years in the project should be in a prominent location on the exhibit.

### DISPLAY/NOTEBOOK CLASSES

- Class 5400 – Notebook: Contents pertain to some phase, results, story or information about the wildlife project
- Class 5401 – Promotional Poster: Must be related to something learned in the wildlife project. (Flat poster board or foam board maximum 22" x 28")
- Class 5402 – Educational Display: Must be directly related to the wildlife project. Maximum tri-fold size is 3' x 4'.

### EXPERIENTIAL/OTHER CLASSES

- Class 5403 – Fish Harvesting Equipment (SF168) – Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, when or where each item is used.
- Class 5404 – Build a Fishing Rod (SF169) – A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board. Include with the exhibit: explanation of cost of materials/components and how many hours required for construction. Label all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps and hook keeper. Reel seat needs to be aligned with guides and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibits will be judged on: workmanship, labeling of parts, information and neatness.
- Class 5405 – Casting Target – (SF170) – Make a casting target for exhibit and use. Target must be under 48" x 48". The bullseyes must be 2 feet in diameter, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable and weather resistant. Include the purpose and rules of using your casting target.
- Class 5406 – Wildlife Harvesting Equipment – (SF171) – Board Exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles or bows, use drawings or pictures. Label all items displayed, including: the purpose of each item, when or where it is used and personal experiences with the item.
- Class 5407 – Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory – (SF168) – Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallower water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, the results of testing your prototype and any adjustments you made.
- Class 5408 – Tanned Hides – (SF172) – Exhibit of a wild animal hide properly processed by the member. If not mounted, must be in a clear clothing bag with hanger. Include a description of field experiences, study or observations that relate to the exhibit.

### WOODWORKING

Superintendent:..... Mike Suchsland

### AWARDS/PREMIUMS:

SMALL ITEMS: Purple - \$5.00 Blue - \$4.00 Red - \$3.00 White - \$2.00  
 LARGE ITEMS: Purple - \$10.00 Blue - \$7.50 Red - \$5.00 White - \$2.50

### GUIDELINES

1. READ GENERAL RULES.
2. Each exhibitor is limited to one exhibit in this division.
3. 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.
4. Projects with missing or insufficient plans will be lowered one ribbon placing (Ex: blue ribbon exhibit will receive red ribbon).
5. The use of materials other than wood should be kept to a minimum.
6. Projects that have unsecured glass (Ex: glass shelves, glass top of a coffee table, etc.) should not be brought to the fair. Glass that is secured in the project (Ex: glass front of a gun case or cabinet, etc.) is permissible since it cannot be easily removed.
7. The entry card, plans, and all other paperwork should be secured in a zip-top plastic bag with a hole punched through it and tied or otherwise secured to the project in some manner. Tape is usually not adequate to accomplish this.
8. Refinished/ repaired furniture should be exhibited in Interior Design & Architecture Class 4400 - Single Exhibit.
9. Projects made from pre-cut kits are not allowed.
10. 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.
11. Firearms and weapons are not to be entered or exhibited at the County Fair.

- Class 4700 – Article for farm or shop use
- Class 4701 – Furniture for household or lawn use
- Class 4702 – Other woodwork. Articles not included in above classes. Examples: bird houses, bird feeders, household equipment such as knife racks, breadboards, door stops, etc.



## JUDGING CONTESTS

### GUIDELINES

1. READ GENERAL RULES.
2. No pre-entry will be necessary.

### Livestock Judging Contest

Superintendents: ..... Stuart Jarvis  
Assistant Superintendents: ..... Shane Jarvis, Regan Kats

### Crops Judging Contest

Superintendent:..... Vincent Jones  
Assistant Superintendent: ..... Candy Krafft

### Horticulture Judging Contest

Superintendent:.....Anthony Imm

### Life Skills Judging Contest

Superintendent: ..... Beth Norris

### Photography Judging Contest

Superintendent..... Bethany Jessup  
Assistant Superintendent..... Gracie Taylor

### Entomology Judging Contest

Superintendent..... Candy Krafft

## FFA AGRICULTURE EDUCATION

Superintendent: ..... Allison Dix

### AWARDS/PREMIUMS:

Small Items: Purple -- \$3.00 Blue -- \$2.50 Red -- \$2.00 White -- \$1.50  
Large Items: Purple -- \$10.00 Blue -- \$7.50 Red -- \$5.00 White -- \$2.50

### GUIDELINES

1. READ GENERAL RULES.
2. All entries must have been constructed or repaired within the past two years.
3. A display board incorporating project description and the approximate cost is encouraged but not required.
4. Repair projects with adequate original finish need not be repainted for the county fair.
5. The Kansas State Fair Agricultural Mechanics Exhibit Rules will be followed. Contact the Vocational Agricultural Instructor for these rules.

Class 500 – Welding Display – display and have labeled on a suitable board, the following flat position arc welds or Oxy-Act welds:

1. Pad of stringer beads
2. Butt weld
3. Filler weld
4. Lap well

\*Class 501 - Welding Display 2 – display and have labeled all flat positions listed above, plus the following arc welds or Oxy-Act welds Bronze:

1. Vertical, up
2. Vertical, down
3. Horizontal
4. Overhead: Butt, Lap, Filler

\*Class 502 – Welding Display 3 – display and have labeled all welds above plus the following arc welds:

Cast iron welding with:

1. Nickel
2. Bronze
3. Stainless Steel

### BOOTH & BANNER

1. READ GENERAL RULES.
2. See 4-H Booth and Banner Department for Guidelines

Class 172 – FFA Booth

Class 176 – FFA Banner

### PROJECT DISPLAYS

Class 503 – Large Machinery and Equipment (more than \$1,500 constructed cost JUSTIFIED IN BILL OF MATERIAL).  
Class 504 – Intermediate Machinery and Equipment (\$500 to \$1,500 constructed cost JUSTIFIED IN BILL OF MATERIAL).  
Class 505 – Small Machinery and Equipment (Under \$500 construction costs JUSTIFIED IN BILL OF MATERIAL).  
Class 507 – Tractor Repair

Class 508 – Machinery Repair. Ex: Projects that have been rebuilt should remain as the original piece of equipment.

### SMALL ENGINES

- \*Class 509 – Rebuilt or Overhauled Engines
- \*Class 510 – Exhibit of engine parts and explanation of how they work
- \*Class 511 – Application of a small engine built or reconstructed by the member.

## HIGH SCHOOL FAMILY & CONSUMER SCIENCE

Superintendent: ..... Sue Kipp

**PREMIUMS: Refer to the same classes in 4-H.**

### GUIDELINES

1. To exhibit, one must have completed a year of Family and Consumer Sciences.
2. The exhibits must be the handiwork of the exhibitor and must be the result of work done during the preceding school year.
3. Exhibits will be judged as purple, blue, red, and white. Judge's decisions are final.

### BOOTH & BANNER

1. READ GENERAL RULES.
2. See 4-H Booth and Banner Department for Guidelines
  - Class 173 – FCCLA Booth
  - Class 177 – FCCLA Banner

### SEWING

1. READ GENERAL RULES.
2. The garment may have been worn but should be cleaned before being exhibited.
3. Labels:
  - a. Must be printed in ink on a 3" X 2" tag
  - b. Must contain: class, name, age, years enrolled in FCS class.
  - c. Sew to neckband, back of skirt belt, on belt band. Label each piece.
  - d. Garments will not be judged unless properly labeled when brought to fair.
4. If the garment is to be hung, place hanger with hook toward right shoulder of the garment. Attach skirt to the hanger with large safety pins.
5. May have up to six entries.

\*Class 550 – Apparel

\*Class 551 – Creative Textiles by Machine

\*Class 552 – Creative Textiles by Hand

\*Class 553 – Quilt

### FOODS

1. READ GENERAL RULES.
2. Follow 4-H guidelines for food safety requirements.
3. Remove baked products from baking pans and place on a paper plate or covered cardboard cut to fit the size of the product. Place in a clear plastic bag. **THE ENTIRE PRODUCT MUST BE ENTERED.**
4. Each exhibit must have an entry tag and recipe when entered.
5. Layer cakes must be two or more layers and frosted.
6. All items MUST be sold.
7. Proceeds from the Bake sale go into the premium fund. Products sold at set prices.

\*Class 560 – 7 Drop Cookies

\*Class 561 – 7 Brownies, *unfrosted*

\*Class 562 – 7 Muffins

\*Class 563 – 1 Loaf Quick Bread

\*Class 564 – White Layer Cake, frosted

\*Class 565 – Chocolate Layer Cake, frosted

\*Class 566 – Angel Food Cake, unfrosted

\*Class 567 – 7 Yeast Rolls

\*Class 568 – Loaf Yeast Bread

\*Class 569 – Fruit Pie

\*Class 570 – Coffee Cake

\*Class 571 – Decorated Food Item

\*Class 572 – Decorated Food Item made on a box!

\*Class 573 – Canning – Sweet Spreads

\*Class 574 – Canning - Fruits

\*Class 575 – Canning - Pickles & Relishes

\*Class 576 – Canning - Meat

\*Class 577 – Canning –Vegetables

\*Class 578 – Miscellaneous

### INTERIOR DECORATING

1. Read General Rules.
2. Articles may have been used but should be carefully laundered or cleaned before being exhibited.
3. Only articles to be judged shall be in the exhibit.
4. Each piece in the exhibit shall be labeled with name, address, & class number.

\*Class 580 – Room Exhibit (specify room)

\*Class 581 – Single Exhibit (Ex: pillowcases, curtains, etc.) made by exhibitor

\*Class 582 – Interior Design Display - House Plan



**SCOUT DIVISION**



Superintendent..... Sue Kipp

**AWARDS/PREMIUMS:**

Purple - \$3.00    Blue -- \$2.00    Red -- \$1.50    White --\$1.00

**BOY SCOUT DIVISION**

**GUIDELINES**

1. Only registered members in good standing may compete.
2. Articles must have been made within the past year by the Cub, Scout, or Explorer and never exhibited at the Phillips County Fair before. Items added to collections must be labeled as new additions.
3. All food entries must have a recipe attached.
4. Follow 4-H guidelines for food safety requirements.
5. For exhibit display, please refer to the corresponding 4-H exhibit area. (Ex: Foods, Photography, Arts and Crafts, etc.)
6. Judges will use the Danish system to award ribbons.
7. Limit 6 entries per class

Class 600 – Troop Exhibit  
 Class 601 – Tiger Cub Entry  
 Class 602 – Cub Scout Entry

Class 603 – Webelos Entry  
 Class 604 – Boy Scout Entry  
 Class 605 – Eagle Scout Entry

**GIRL SCOUT DIVISION**

**GUIDELINES**

1. Only registered members in good standing may compete.
2. Articles must have been made within the past year by the Brownie, Scout, or Cadets and never exhibited at the Phillips County Fair before. Items added to collections must be labeled as new additions.
3. All food entries must have a recipe attached.
4. Follow 4-H guidelines for food safety requirements.
5. For exhibit display, please refer to the corresponding 4-H exhibit area.
6. Judges will use the Danish System to award ribbons.
7. Limit 6 entries per class

Class 800 – Troop Exhibit  
 Class 801 – Daisy Scout Entry  
 Class 802 – Brownie Scout Entry

Class 803 – Junior Girl Scout Entry  
 Class 804 – Cadet Scout Entry  
 Class 805 – Senior Girl Scout Entry

**OPEN CLASS DIVISION**  
open to the public (any age)



**COMPLETE FAIR ENTRIES ONLINE at: <https://phillipscountyfair.fairentry.com>**



\* Judges are instructed not to award a ribbon unless exhibits are deemed worthy. Ribbons will only be given to the top 3 in each class: Blue (First); Red (Second); and White (Third).

**AWARDS/PREMIUMS:**

Blue -- \$3.00    Red -- \$2.00    White -- \$1.00

**GUIDELINES**

1. Refer to the General Rules section in the front of this Fair Book.
2. All Open Class exhibits will abide by 4-H and FFA rules unless otherwise stated.
3. If no guidelines are listed for the Open Class, please refer to 4-H Guidelines.

**BEEF - OPEN CLASS**

Superintendent: ..... Shane Jarvis  
Assistant Superintendent: ..... Stuart Jarvis

**GUIDELINES**

1. If numbers warrant, the superintendent may divide the classes by breeds.
2. Cattle must be owned by the exhibitor.
3. No exhibitor shall be awarded more than two prizes per class.
  - \*Class 3001 – Bucket Calf, Exhibitor 12 years and younger
  - \*Class 3002 – Bulls calved after January 1, of the current year
  - \*Class 3003 – Bulls calved from Nov 1 through Dec 31, of the prior year
  - \*Class 3004 – Bulls calved from Sept 1 through Oct 31, of the prior year

- \*Class 3005 – Bulls calved from July 1 through Aug 31, of the prior year
- \*Class 3006 – Bulls calved from May 1 through June 30, of the prior year
- \*Class 3007 – Bulls calved from Jan 1 through April 30, of the prior year
- \*Class 3008 – Heifers calved after Jan 1, of the current year
- \*Class 3009 – Heifers calved from Nov 1 through Dec 31, of the prior year
- \*Class 3010 – Heifers calved from Sept 1 through Oct 31, of the prior year
- \*Class 3011 – Heifers calved from July 1 through Aug

- 31, of the prior year
- \*Class 3012 – Heifers calved from May 1 through June 30, of the prior year
- \*Class 3013 – Heifers calved from Jan 1 through April 30, of the prior year
- \*Class 3014 – Get-of-sire - three animals by one sire, any age, both sexes
- \*Class 3015 – Market Steers
- \*Class 3016 – Pair - 1 bull, 1 heifer
- \*Class 3017 – Pair - 2 bulls
- \*Class 3018 – Pair - 2 heifers
- Additional class may be set up to accommodate 2-year cattle if necessary*

**DAIRY CATTLE - OPEN CLASS**

Superintendents: ..... Shane Jarvis  
 Assistant Superintendents: ..... Justin Taylor  
 \*Class 3020 – Dairy Heifer - calved after August 1, of the current year.  
 \*Class 3021 – Dairy Cow - calved before August 1, of the current year.

**GOAT - OPEN CLASS**

Superintendent: ..... Ryann Kats  
 Assistant Superintendents: ..... Mike Kats

- \*Class 3101 – 0-6 months Dairy Goat Kids
- \*Class 3102 – 6-12 months Dairy Goat Kids
- \*Class 3103 – Yearling Dairy Goat - Not Freshened
- \*Class 3104 – Yearling Dairy Goat - Freshened
- \*Class 3105 – Dairy Goat Wethers
- \*Class 3106 – Dairy Get of Dam (3 with same mother) No premium
- \*Class 3107 – Dairy Get of Sire (3 with same father) No premium
- \*Class 3108 – 0-6 months Meat Goat Kids
- \*Class 3109 – 6-12 months Meat Goat Doe
- \*Class 3110 – 12 months and older Meat Goat Doe
- \*Class 3111 – Market Goat Wethers
- \*Class 3112 – Goat Showmanship (under 7 years of age)
- \*Class 3113 – Young Billy

**SHEEP - OPEN CLASS**

Superintendent: ..... Ryann Kats  
 Assistant Superintendents: ..... Mike Kats

**GUIDELINES**

1. Sheep must be owned by exhibitor.
2. Market lambs with testicles will be disqualified.
3. No exhibitor will be awarded more than two prizes per class.

- \*Class 3120 – Bottle Lamb, exhibitor 10 years and younger
- \*Class 3121 – Market Lambs (Born after January 1)
- \*Class 3122 – Breeding Ewe Lambs
- \*Class 3123 – Breeding Ewes
- \*Class 3124 – Ram Lambs
- \*Class 3125 – Rams

**SWINE - OPEN CLASS**

Superintendent: .....Kathy Holling  
 Assistant Superintendents: ..... Mike Kats & Brad Bates

**GUIDELINES**

1. If numbers warrant, the superintendent may divide the classes by breeds.
2. Swine must be owned by the exhibitor.
3. All swine should have an official health certificate. See youth swine health requirements for blood testing needs.
4. No exhibitor shall be awarded more than two prizes per class.

- \*Class 3130 – Market Hogs
- \*Class 3131 – Breeding Gilts
- \*Class 3132 – Boars
- \*Class 3133 – Pee Wee Swine Showmanship (Under 7 years of age)

**AGRONOMY (formerly known as CROPS)- OPEN CLASS**

Superintendent: .....Sara Olson  
 Assistant Superintendent: ..... Vincent Jones

**GUIDELINES**

1. All products must be grown by the person whose name it is exhibited.

- \*Class 3200 – Wheat (variety to be named) 1 gallon
- \*Class 3201 – Other Small Grains (to be named) 1 gallon
- \*Class 3202 – Corn (hybrid to be named) 10 ears

- \*Class 3203 – Grain Sorghums (variety to be named) 10 heads
- \*Class 3204 – Baled Hay (1 standard bale) not less than 60 lbs

**RANGE GRASSES  
GUIDELINES**

1. Each sample will be of a single species. The bundles will be tied with suitable cord, twine or other binding material. Only native grasses can be entered.
2. The exhibitor will fill out an identification card which states species and location species was collected (CRP, pasture, etc.).
3. Each exhibitor will be limited to one sample per class.
4. Judging criteria is as follows:
  - a. Identification -- labeled correctly
  - b. The sample is clean -- no dead litter or other plants
  - c. Visual Appearance -- species is uniform and visually pleasing Leafiness
  - d. Uniform Samples -- 1.5" diameter bundles
  - e. A Typical Specimen for Species -- type and size

- \*Class 3210 – Tall Grass (e.g. Big bluestem, Indiangrass)
- \*Class 3211 – Mid Grass (e.g. Little bluestem, Sideoats grama)
- \*Class 3212 – Short Grass (e.g. Blue grama, Buffalo grass)

**AG MECHANICS - OPEN CLASS**

Superintendent: ..... Allison Dix

- \*Class 3260 – Welding Display 1. Display and have labeled on a suitable board, the following flat position arc welds:
 

a. Pad of stringer beads	c. Filler weld
b. Butt weld	d. Lap weld

 Oxy-Act. welds - flat positions same as above.
- \*Class 3261 – Welding Display 2. All flat positions listed above plus the following arc welds:
 

a. Vertical, up	c. Horizontal
b. Vertical, down	d. Overhead: Butt, Lap, Filler

 Oxy-Act. Welds- Bronze welding flat position
- \*Class 3262 – Welding Display 3. All welds above plus the following arc welds:  
Cast iron welding with:
 

a. Nickel	b. Bronze	c. Stainless Steel
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**Project Displays:**

- Class 3265 – Large Machinery and Equipment (more than \$1,500 constructed cost JUSTIFIED IN BILL OF MATERIAL)
- Class 3266 – Intermediate Machinery and Equipment (\$500 to \$1,500 constructed Cost JUSTIFIED IN BILL OF MATERIAL)
- Class 3267 – Small Machinery and Equipment (Under \$500 construction costs JUSTIFIED IN BILL OF MATERIAL)
- Class 3268 – Group Display (exhibits must come from class 3265, 3266, 3267)
- Class 3269 – Tractor Repair
- Class 3270 – Machinery Repair. Ex: Projects that have been rebuilt should remain as the original piece of equipment.

**Small Engines:**

- \*Class 3275 – Rebuilt or Overhauled Engines
- \*Class 3276 – Exhibit of engine parts and explanation of how they work
- \*Class 3277 – Application of small engine, built or reconstructed by the member.

**CLOTHING - OPEN CLASS**

Superintendent: ..... Becky Lanier

- |                              |                               |
|------------------------------|-------------------------------|
| *Class 3290 – Tailored Dress | *Class 3294 – 3 pc. Outfit    |
| *Class 3291 – Coat or Suit   | *Class 3295 – Child's Garment |
| *Class 3292 – Dress          | *Class 3296 – Men's Wear      |
| *Class 3293 – 2 pc. Outfit   | *Class 3297 – Miscellaneous   |

**DOG - OPEN CLASS**

Superintendent: ..... Austyn Werner

**GUIDELINES**

1. See 4-H Dog Show Guidelines for rules and more detailed class descriptions.
2. A handler/dog pair may only enter one class per discipline (Obedience, Showmanship or Agility).

- |   |                                      |
|---|--------------------------------------|
| *Class 3301 – Pre-Novice A Obedience    | *Class 3307 – Open B Obedience       |
| *Class 3302 – Pre-Novice B Obedience    | *Class 3308 – Utility Obedience      |
| *Class 3303 – Novice A Obedience        | *Class 3309 – Showmanship            |
| *Class 3304 – Novice B Obedience        | *Class 3311 – Pre-Agility (On-Leash) |
| *Class 3305 – Advanced Novice Obedience | *Class 3310 – Agility I (Off-Leash)  |
| *Class 3306 – Open A Obedience          | *Class 3310 – Agility II (Off-Leash) |

## ENTOMOLOGY - OPEN CLASS

Superintendent: ..... Candy Krafft

\*Class 3315 – Beginning Entomology  
\*Class 3316 – Intermediate Entomology

\*Class 3317 – Advanced Entomology

## FINE ARTS - OPEN CLASS

Superintendent: ..... Becky Lanier

Assistant: ..... Sandy Jacobs

### **GUIDELINES**

3. Exhibits must be made by those whose name appears on the entry tag.
4. Exhibits must have been made in the past year.
5. All exhibits in this department must be ready for DISPLAY.

### **TEXTILES – (Exhibitor 10 years old and under)**

\*Class 3350 – Knitted Sweater  
\*Class 3351 – Knitted Hat or Muffler  
\*Class 3352 – Knitted Afghan (1)  
\*Class 3353 – Knitted Afghan (pieces set together)  
\*Class 3354 – Crocheted Sweater  
\*Class 3355 – Crocheted Afghan  
\*Class 3356 – One Crocheted Piece  
\*Class 3357 – Crocheted Piece (pieces set together)  
\*Class 3358 – Crocheted Tablecloth  
\*Class 3359 – Crocheted Doily (under 12")  
\*Class 3360 – Crocheted Doily (12" and larger)  
\*Class 3361 – Crocheted Bedspread  
\*Class 3362 – Cro-hook Item  
\*Class 3363 – Spiral Doily  
\*Class 3364 – Tatted Item  
\*Class 3365 – Bobbin Lace  
\*Class 3366 – Machine Embroidery  
\*Class 3367 – Brazilian Embroidery  
\*Class 3368 – Counted Cross Stitch  
\*Class 3369 – Embroidery

\*Class 3370 – Embroidery (cut work)  
\*Class 3371 – Crewel Embroidery  
\*Class 3372 – Needlepoint  
\*Class 3373 – Latch Hook  
\*Class 3374 – Tie Dyed Item  
\*Class 3375 – Pillows  
\*Class 3376 – Woven Project  
\*Class 3377 – Woven Project - Hand Spun Yarn (small)  
\*Class 3378 – Woven Project - Hand Spun Yarn (large)  
\*Class 3379 – Hand Spun Yarn (skein)  
\*Class 3380 – Hooked/Braided Rug  
\*Class 3381 – Embellishments (garment)  
\*Class 3382 – Embellishments (wall hanging or picture)  
\*Class 3383 – Embellishments (tablecloth)  
\*Class 3384 – Baby Afghan  
\*Class 3385 – Baby Sweater Set  
\*Class 3386 – Miscellaneous

### **TEXTILES – (Exhibitor 11-18 years of age)**

\*Class 3387 – Knitted Sweater  
\*Class 3388 – Knitted Hat/ Muffler  
\*Class 3389 – Knitted Afghan (1)  
\*Class 3390 – Knitted Afghan (pieces set together)  
\*Class 3391 – Crocheted Sweater  
\*Class 3392 – Crocheted Afghan  
\*Class 3393 – One Crocheted Piece  
\*Class 3394 – Crocheted Piece (pieces set together)  
\*Class 3395 – Crocheted Tablecloth  
\*Class 3396 – Crocheted Doily (under 12")  
\*Class 3397 – Crocheted Doily (12" and larger)  
\*Class 3398 – Crocheted Bedspread  
\*Class 3399 – Cro-hook Item  
\*Class 3400 – Spiral Doily  
\*Class 3401 – Tatted Item  
\*Class 3402 – Bobbin Lace  
\*Class 3403 – Machine Embroidery  
\*Class 3404 – Brazilian Embroidery  
\*Class 3405 – Counted Cross Stitch

\*Class 3406 – Embroidery  
\*Class 3407 – Embroidery (cut work)  
\*Class 3408 – Crewel Embroidery  
\*Class 3409 – Needlepoint  
\*Class 3410 – Latch Hook  
\*Class 3411 – Tie Dyed Item  
\*Class 3412 – Pillows  
\*Class 3413 – Woven Project  
\*Class 3414 – Woven Project - Hand Spun Yarn (small)  
\*Class 3415 – Woven Project - Hand Spun Yarn (large)  
\*Class 3416 – Hand Spun Yarn (skein)  
\*Class 3417 – Hooked/Braided Rug  
\*Class 3418 – Embellishments (garment)  
\*Class 3419 – Embellishments (wall hanging or picture)  
\*Class 3420 – Embellishments (tablecloth)  
\*Class 3421 – Baby Afghan  
\*Class 3422 – Baby Sweater Set  
\*Class 3423 – Miscellaneous

### **TEXTILES – (Exhibitor over 18 years of age)**

\*Class 3424 – Knitted Sweater  
\*Class 3425 – Knitted Hat or Muffler  
\*Class 3426 – Knitted Afghan (1)  
\*Class 3427 – Knitted Afghan (pieces set together)  
\*Class 3428 – Crocheted Sweater  
\*Class 3429 – Crocheted Afghan  
\*Class 3430 – One Crocheted Piece  
\*Class 3431 – Crocheted Piece (pieces set together)  
\*Class 3432 – Crocheted Tablecloth  
\*Class 3433 – Crocheted Doily (under 12")  
\*Class 3434 – Crocheted Doily (12" and larger)  
\*Class 3435 – Crocheted Bedspread

\*Class 3436 – Cro-hook Item  
\*Class 3437 – Spiral Doily  
\*Class 3438 – Tatted Item  
\*Class 3439 – Bobbin Lace  
\*Class 3440 – Machine Embroidery  
\*Class 3441 – Brazilian Embroidery  
\*Class 3442 – Counted Cross Stitch  
\*Class 3443 – Embroidery  
\*Class 3444 – Embroidery (cut work)  
\*Class 3445 – Crewel Embroidery  
\*Class 3446 – Needlepoint  
\*Class 3447 – Latch Hook

- \*Class 3448 – Tie Dyed Item
- \*Class 3449 – Pillows
- \*Class 3450 – Woven Project
- \*Class 3451 – Woven Project - Hand Spun Yarn (small)
- \*Class 3452 – Woven Project - Hand Spun Yarn (large)
- \*Class 3453 – Hand Spun Yarn (skein)
- \*Class 3454 – Hooked/Braided Rug

- \*Class 3455 – Embellishments (garment)
- \*Class 3456 – Embellishments (wall hanging or picture)
- \*Class 3457 – Embellishments (tablecloth)
- \*Class 3458 – Baby Afghan
- \*Class 3459 – Baby Sweater Set
- \*Class 3460 – Miscellaneous

#### **OTHER ARTS – (Exhibitor 10 years old and under)**

- \*Class 3461 – Tole Painting
- \*Class 3462 – Watercolor
- \*Class 3463 – Oil Painting
- \*Class 3464 – Acrylic Painting
- \*Class 3465 – Drawing - pastel, colored pencil
- \*Class 3466 – Drawing - pencil, charcoal, black crayon
- \*Class 3467 – Drawing - pen and ink
- \*Class 3468 – Sculpture
- \*Class 3469 – Ceramics
- \*Class 3470 – Dressed Dolls (rabbits, bears, etc.)
- \*Class 3471 – Handmade Dolls (paper, husk, mop, etc.)
- \*Class 3472 – Wheat Weaving
- \*Class 3473 – Collections
- \*Class 3474 – Silk Flower Arrangement

- \*Class 3475 – Paper Craft
- \*Class 3476 – Jewelry
- \*Class 3477 – Leather Craft
- \*Class 3478 – Models
- \*Class 3479 – Portraits
- \*Class 3480 – Basketry
- \*Class 3481 – Felting
- \*Class 3482 – Plastic Woven Item
- \*Class 3483 – Christmas stocking
- \*Class 3484 – Holiday Decoration (1)
- \*Class 3487 – Miscellaneous
- \*Class 3486 – Barn Quilts
- \*Class 3485 – Recycled Item

#### **OTHER ARTS – (Exhibitor 11 to 18 years of age)**

- \*Class 3488 – Tole Painting
- \*Class 3489 – Watercolor
- \*Class 3490 – Oil Painting
- \*Class 3491 – Acrylic Painting
- \*Class 3492 – Drawing - pastel, colored pencil
- \*Class 3493 – Drawing - pencil, charcoal, black crayon
- \*Class 3494 – Drawing - pen and ink
- \*Class 3495 – Sculpture
- \*Class 3496 – Ceramics
- \*Class 3497 – Dressed Dolls (rabbits, bears, etc.)
- \*Class 3498 – Handmade Dolls (paper, husk, mop, etc.)
- \*Class 3499 – Wheat Weaving
- \*Class 3500 – Collections

- \*Class 3501 – Silk Flower Arrangement
- \*Class 3502 – Paper Craft
- \*Class 3503 – Jewelry
- \*Class 3504 – Leather Craft
- \*Class 3505 – Models
- \*Class 3506 – Portraits
- \*Class 3507 – Basketry
- \*Class 3508 – Felting
- \*Class 3509 – Plastic Woven Item
- \*Class 3510 – Christmas stocking
- \*Class 3511 – Holiday Decoration (1)
- \*Class 3514 – Miscellaneous
- \*Class 3513 – Barn Quilts
- \*Class 3512 – Recycled Item

#### **OTHER ARTS – (Exhibitor over 18 years of age)**

- \*Class 3515 – Tole Painting
- \*Class 3516 – Watercolor
- \*Class 3517 – Oil Painting
- \*Class 3518 – Acrylic Painting
- \*Class 3519 – Drawing - pastel, colored pencil
- \*Class 3520 – Drawing - pencil, charcoal, black crayon
- \*Class 3521 – Drawing - pen and ink
- \*Class 3522 – Sculpture
- \*Class 3523 – Ceramics
- \*Class 3524 – Dressed Dolls (rabbits, bears, etc.)
- \*Class 3525 – Handmade Dolls (paper, husk, mop, etc.)
- \*Class 3526 – Wheat Weaving
- \*Class 3527 – Collections
- \*Class 3528 – Silk Flower Arrangement

- \*Class 3529 – Paper Craft
- \*Class 3530 – Jewelry
- \*Class 3531 – Leather Craft
- \*Class 3532 – Models
- \*Class 3533 – Portraits
- \*Class 3534 – Basketry
- \*Class 3541 – Felting
- \*Class 3535 – Plastic Woven Item
- \*Class 3536 – Christmas stocking
- \*Class 3537 – Holiday Decoration (1)
- \*Class 3538 – Recycled Item
- \*Class 3539 – Barn Quilts
- \*Class 3540 – Miscellaneous

#### **QUILTS**

- Small quilt is defined as a quilt that is lap sized or smaller.
- Large quilt is defined as a quilt that is larger than lap sized.

#### **Large Pieced Quilt**

- \*Class – 3541 (10 yrs. & Under)
- \*Class – 3542 (11-18 yrs. of age)
- \*Class – 3543 (Over 18 yrs. of age)

#### **Small Pieced Quilt**

- \*Class 3544 – (10 yrs. & Under)
- \*Class 3545 – (11-18 yrs. of age)
- \*Class 3546 – (Over 18 yrs. of age)

**Quick & Easy Quilt** – A quilt that can utilize pre-cuts of fabric or utilizes a quick and easy manner of piecing or assembling. Examples would be jelly roll race, cake recipe quilts, five-yard quilts or other quilt that make putting the quilt together quickly and easily.

#### **-Large Quick & Easy Quilt**

- \*Class 3547 – (10 yrs. & Under)
- \*Class 3548 – (11-18 yrs. of age)
- \*Class 3549 – (Over 18 yrs. of age)

#### **-Small Quick & Easy Quilt**

- \*Class 3550 – (10 yrs. & Under)
- \*Class 3551 – (11-18 yrs. of age)
- \*Class 3552 – (Over 18 yrs. of age)

**Quilts for Kids** – A quilt that has a child based theme or is used by children, for example, a doll quilt or a quilt for a child's bed.

**-Large Quilt for Kids**

- \*Class 3553 – (10 yrs. & Under)
- \*Class 3554 – (11-18 yrs. of age)
- \*Class 3555 – (Over 18 yrs. of age)

**-Small Quilt for Kids**

- \*Class 3556 – (10 yrs. & Under)
- \*Class 3557 – (11-18 yrs. of age)
- \*Class 3558 – (Over 18 yrs. of age)

**Embroidered Quilt** – A quilt that implements embroidered components. Embroidery can be done by hand or machine.

**-Large Embroidered Quilt**

- \*Class 3559 – (10 yrs. & Under)
- \*Class 3560 – (11-18 yrs. of age)
- \*Class 3561 – (Over 18 yrs. of age)

**-Small Embroidered Quilt**

- \*Class 3562 – (10 yrs. & Under)
- \*Class 3563 – (11-18 yrs. of age)
- \*Class 3564 – (Over 18 yrs. of age)

**Appliqued Quilt** – Implements appliqued components within the quilt. Applique can be done by hand or machine.

**-Large Appliqued Quilt**

- \*Class 3565 – (10 yrs. & Under)
- \*Class 3566 – (11-18 yrs. of age)
- \*Class 3567 – (Over 18 yrs. of age)

**-Small Appliqued Quilt**

- \*Class 3568 – (10 yrs. & Under)
- \*Class 3569 – (11-18 yrs. of age)
- \*Class 3570 – (Over 18 yrs. of age)

**-Other Appliqued Item**

- \*Class 3571 – (10 yrs. & Under)
- \*Class 3572 – (11-18 yrs. of age)
- \*Class 3573 – (Over 18 yrs. of age)

**Hand Quilted Quilt** – Defined as one that the quilting is done by hand. The rest of the quilt can be assembled using a machine.

**-Large Hand Quilted Quilt**

- \*Class 3574 – (10 yrs. & Under)
- \*Class 3575 – (11-18 yrs. of age)
- \*Class 3576 – (Over 18 yrs. of age)

**-Small Hand Quilted Quilt**

- \*Class 3577 – (10 yrs. & Under)
- \*Class 3578 – (11-18 yrs. of age)
- \*Class 3579 – (Over 18 yrs. of age)

**-Other Hand Quilted Item**

- \*Class 3580 – (10 yrs. & Under)
- \*Class 3581 – (11-18 yrs. of age)
- \*Class 3582 – (Over 18 yrs. of age)

**Paper Pieced Quilt** – Constructed using the technique of paper piecing.

**-Large Paper Pieced Quilt**

- \*Class 3583 – (10 yrs. & Under)
- \*Class 3584 – (11-18 yrs. of age)
- \*Class 3585 – (Over 18 yrs. of age)

**-Small Paper Pieced Quilt**

- \*Class 3586 – (10 yrs. & Under)
- \*Class 3587 – (11-18 yrs. of age)
- \*Class 3588 – (Over 18 yrs. of age)

**Scrappy or Stash Buster Quilt** – Utilizes the small pieces of fabric left over from other quilting or sewing projects. Utilizes smaller pieces and often does not follow a set pattern.

**-Large Scrappy or Stash Buster Quilt**

- \*Class 3589 – (10 yrs. & Under)
- \*Class 3590 – (11-18 yrs. of age)
- \*Class 3591 – (Over 18 yrs. of age)

**-Small Scrappy or Stash Buster Quilt**

- \*Class 3592 – (10 yrs. & Under)
- \*Class 3593 – (11-18 yrs. of age)
- \*Class 3594 – (Over 18 yrs. of age)

**Quilt from a Panel** – Utilizes and implements a fabric panel into the quilt.

**-Large Quilt from a Panel**

- \*Class 3595 – (10 yrs. & Under)
- \*Class 3596 – (11-18 yrs. of age)
- \*Class 3597 – (Over 18 yrs. of age)

**-Small Quilt from a Panel**

- \*Class 3598 – (10 yrs. & Under)
- \*Class 3599 – (11-18 yrs. of age)
- \*Class 3600 – (Over 18 yrs. of age)

**-Other Quilted Panel Item**

- \*Class 3601 – (10 yrs. & Under)
- \*Class 3602 – (11-18 yrs. of age)
- \*Class 3603 – (Over 18 yrs. of age)

**Other Quilted Items**

**-Quilted Wall Hanging**

- \*Class 3604 – (10 yrs. & Under)
- \*Class 3605 – (11-18 yrs. of age)
- \*Class 3606 – (Over 18 yrs. of age)

**-Quilted Bag**

- \*Class 3610 – (10 yrs. & Under)
- \*Class 3611 – (11-18 yrs. of age)
- \*Class 3612 – (Over 18 yrs. of age)

**-Baby Quilt**

- \*Class 3607 – (10 yrs. & Under)
- \*Class 3608 – (11-18 yrs. of age)
- \*Class 3609 – (Over 18 yrs. of age)

**-Quilted Table Runner**

- \*Class 3613 – (10 yrs. & Under)
- \*Class 3614 – (11-18 yrs. of age)
- \*Class 3615 – (Over 18 yrs. of age)



**FOODS - OPEN CLASS**

Superintendent..... Sandy Reimer  
Assistant Superintendent..... Kelly Taylor, Linda Heersink

**GUIDELINES**

1. All entries must be baked or canned by the exhibitor.
2. Follow 4-H guidelines for food safety requirements.
3. Any jar of food may be opened at the discretion of the judge.
4. All canning entries must be canned from fresh products after October 1 of the previous year.
5. Remove baked products from baking pans and place on paper plates or on covered cardboard cut to fit the size of the product. Place in a Clear Plastic Bag. The entire product must be entered.
6. Class 3508 to 3513 requires 1 jar for each class.

- |  |  |
|--|--|
| *Class 3500 – Yeast Bread  | *Class 3509 – Jelly, Jam or Butter         |
| *Class 3501 – Quick Bread  | *Class 3510 – Canned Fruits & Juices       |
| *Class 3502 – Cakes  | *Class 3511 – Tomato/Tomato Products/Salsa |
| *Class 3503 – A Decorated Food Item -- MUST BE A FOOD ITEM, not a decorated box. | *Class 3512 – Low Acid Vegetables          |
| *Class 3504 – Decorated Food Item made on a Box!                                 | *Class 3513 – Canned Meat                  |
| *Class 3505 – 3 Cookies, any variety   | *Class 3514 – Collection of Canned Goods   |
| *Class 3506 – Fruit Pie  | *Class 3515 – Dried Meat                   |
| *Class 3507 – 3 Sweet Rolls  | *Class 3516 – Dried Fruit                  |
| *Class 3508 – Pickles or Relish  | *Class 3517 – Dry Pasta                    |
|  | *Class 3518 – Dried Vegetable              |

**2024 KING ARTHUR FLOUR BAKING CONTEST**

Superintendent: ..... Shannon Kats



**Prizes sponsored by the King Arthur Baking Company**

**Adult: 19 and over**

- 1<sup>st</sup> place: \$75 gift card to the Baker’s Catalogue/kingarthurfLOUR.com
- 2<sup>nd</sup> place: \$50 gift card to the Baker’s Catalogue/kingarthurfLOUR.com
- 3<sup>rd</sup> place: \$25 gift card to the Baker’s Catalogue/kingarthurfLOUR.com

**Youth: 18 and under**

- 1<sup>st</sup> place: \$40 gift card to the Baker’s Catalogue/kingarthurfLOUR.com
- 2<sup>nd</sup> place: \$25 gift card to the Baker’s Catalogue/kingarthurfLOUR.com
- 3<sup>rd</sup> place: King Arthur Tote Bag

**GUIDELINES**

1. This year’s theme is zucchini. Any type of baked good containing any variety of King Arthur brand flour and zucchini is acceptable. Examples could include: bread, muffins, cake or cookies.
2. Exhibitor must follow the 4-H Foods and Nutrition division guidelines for quantity of the specific baked good selected (1 loaf of bread or cake, 7 muffins or cookies).
3. Exhibitor must bring the King Arthur Flour label, including the UPC from the flour bag, along with a legible copy of the recipe (preferably typed).
4. Exhibits must follow the 4-H Foods and Nutrition Guidelines for food safety requirements, including the rule that fillings and frostings must contain at least 65% sugar.
5. All entries must be submitted in a disposable container for judging and will be sold in the bake sale after judging.
6. Entries must be in place by 12:00 PM on the first day of the fair.
7. Award winners must have a picture taken receiving the award.
8. Each exhibitor may have only one entry.

Class 3520 – Adult (19 & Over)

Class 3521–Youth (18 & Under)

**GEOLOGY - OPEN CLASS**

Superintendent: ..... Tony Imm  
Assistant Superintendent: .....Anthony Imm

- \*Class 3900 – Beginning Geology
- \*Class 3901 – Intermediate Geology
- \*Class 3902 – Advanced Geology

**HORTICULTURE - OPEN CLASS**

Superintendent: ..... Sara Olson  
Assistant Superintendent: ..... Vincent Jones, Ethan Olson

**VEGETABLES**

- |   |   |
|---|---|
| *Class 3220 – Odd or Misshapen Fruit or Vegetable (Participation ribbon only)       | yellow wax beans, and other small vegetables.   |
| *Class 3221 – Small Vegetable Specimen Plate (12 each). Examples: green snap beans, | *Class 3222 – Medium Vegetable Specimen Plate (5 each). Ex: cucumbers, tomatoes, beets, |

onions, peppers, okra, parsnips, turnips,  
potatoes, sweet corn, carrots, kohlrabi,  
and other medium vegetables.

cantaloupe, honeydew, pumpkin, zucchini,  
squash.

\*Class 3233 – Garden Display - see 4-H explanation.

\*Class 3223 – Large Vegetable Specimen Plate (1 each).

Ex: watermelon, cabbage, eggplant,

**FRUITS**

\*Class 3224 – Small Fruit (12)

\*Class 3225 – Tree Fruit (5)

\*Class 3226 – Grapes (3 clusters)

\*Class 3227 – Other Fruit

**ORNAMENTALS**

\*Class 3235 – Pumpkin, miniature (3)

\*Class 3236 – Gourds, small (3)

\*Class 3237 – Gourds, large (1)

\*Class 3238 – Corn, novelty (3 ear)

**FLOWERS**

\*Class 3240 – Garden Flower, single stem, annual

\*Class 3241 – Garden Flower, single stem, perennial

\*Class 3242 – Flower Arrangement, fresh flowers

\*Class 3243 – Flower Arrangement, dried plant material  
- no fabric or plastic materials.

\*Class 3244 – Potted Plant, blooming

\*Class 3245 – Potted Plant, foliage

**HERBS & NUTS**

\*Class 3246 – Herbs (3 stems only fresh samples exhibited)

\*Class 3247 – Nuts (5)

**MARKET WHEAT SHOW - OPEN CLASS**

Superintendent..... Blaine Krafft

Assistant Superintendent .....Lane Terry

**Prizes**

1<sup>st</sup> place - \$150

3<sup>rd</sup> place - \$100

5<sup>th</sup> place - \$50

2<sup>nd</sup> place - \$125

4<sup>th</sup> place - \$75

**GUIDELINES**

1. Market Wheat Show Entry & Crop Data Card must be filled out at time of entry.
2. Entry time and date - 8:00 a.m. to 10:00 a.m., Friday, July 26.
3. All exhibits shall be produced during the current year.
4. All exhibits from combine runs only. Entry of 1 gallon of wheat minimum (no glass jars or garbage bags). A sample of this wheat will be exhibited; the remainder will be used for the judging.
5. Any entry which has been hand-picked and/or screened will be disqualified.
6. Each farmer (or farm) is limited to one entry for each class, providing that variety is grown on exhibitor's farm. The landlord may enter if the tenant does not.
7. The decision of judges is final; no appeals considered.
8. All wheat exhibits become the property of the Market Wheat Show.
9. Samples will be judged by the following criteria:
 

Variety/Mill Bake .....	250
Protein .....	225
Test Weight.....	200
Dockage .....	200
Shrunken Broken .....	100
Crop Card Data.....	25

*(Points awarded based on the degree of desirability for milling and baking qualities.)*
10. Entries that score high (approximately 25%) will be taken to the State Fair.

Class 3500 – Market Wheat Show  
 Class 3501 – KSU HRW Varieties  
 Class 3502 – Other Public HRW Varieties  
 Class 3503 – All HRW Blends  
 Class 3504 – All Agri-Pro/Syngenta HRW VarietClass

3505 – All WestBred HRW Varieties  
 Class 3506 – All Hard White Varieties  
 or Hybrids  
 Class 3507 – All Other HRW Varieties  
 or Hybrid

**PETS - OPEN CLASS**

Cats Superintendent: ..... Myrna Goracke

Hand Pets Superintendent: ..... Ashley Gottschalk

**CATS**

\*Class 3280 – Kittens - 4-8 months

\*Class 3282 – Female Cats- (9 mo. or older)

\*Class 3283 – Male Cats - (9 mo. or older)

\*Class 3284 – Mother and Kittens

**HAND AND AQUARIUM PETS**

\*Class 3530 – Gerbils

\*Class 3531 – Hamsters

\*Class 3532 – Guinea Hogs

\*Class 3533 – Rats and Mice

\*Class 3534 – Ferrets

\*Class 3535 – Aquarium Pets

\*Class 3536 – Other

## PHOTOGRAPHY - OPEN CLASS

Superintendent: ..... Beau Van Loenen, Jacque Bretton  
Teen Leader.....Savannah Bretton

1. Refer to 4-H rules.
2. Exhibitor is limited to 4 entries per class, and no more than 8 total entries.
3. Exhibitor must complete top and the bottom portion of the yellow entry card and tape to the front bottom of the photo matte board.
4. Framed Photos need to be ready to be hung – not free-standing.
5. Professionals are teachers of art or who make a practice of selling their work.
6. Professional entries must be framed and ready to hang.
7. May only enter one Division. Amateur or Professional

### **PHOTOGRAPHY – Exhibitors 10 years old and under**

- |   |   |
|---|---|
| *Class 3790 – Landscape Print, blk/white    | *Class 3798 – Sequence of 4 pictures telling a story      |
| *Class 3791 – Landscape (color)             | *Class 3799 – Panoramic View                              |
| *Class 3792 – Human Interest, blk/white     | *Class 3800 – Photo with Special Effects, black and white |
| *Class 3793 – Human Interest, color         | *Class 3801 – Photo with Special Effects, color           |
| *Class 3794 – Animal black & white          | *Class 3802 – Digital Composite Image                     |
| *Class 3795 – Animal, color                 |   |
| *Class 3796 – Action Print, black and white | *Class 3803 – Framed Photo – 8"x10"                       |
| *Class 3797 – Action Print, color           | *Class 3804 – Miscellaneous                               |

### **PHOTOGRAPHY – Exhibitors 11-18 years of age**

- |  |   |
|--|---|
| *Class 3805 – Landscape Print, blk/white | *Class 3813 – Sequence of 4 pictures telling a story      |
| *Class 3806 – Landscape (color)          | *Class 3814 – Panoramic View                              |
| *Class 3807 – Human Interest, blk/white  | *Class 3815 – Photo with Special Effects, black and white |
| *Class 3808 – Human Interest, color      | *Class 3816 – Photo with Special Effects, color           |
| *Class 3809 – Animal black & white       | *Class 3817 – Digital Composite Image                     |
| *Class 3810 – Animal, color              | *Class 3818 – Framed Photo – 8"x10"                       |
| *Class 3811 – Action Print, blk/white    | *Class 3819 – Miscellaneous                               |
| *Class 3812 – Action Print, color        |   |

### **PHOTOGRAPHY – Exhibitors Amateur**

- |  |   |
|--|---|
| *Class 3820 – Landscape Print, black and white | *Class 3828 – Sequence of 4 pictures telling a story      |
| *Class 3821 – Landscape Print color            | *Class 3829 – Panoramic View                              |
| *Class 3822 – Human Interest, blk/white        | *Class 3830 – Photo with Special Effects, black and white |
| *Class 3823 – Human Interest, color            | white   |
| *Class 3824 – Animal black & white             | *Class 3831 – Photo with Special Effects, color           |
| *Class 3825 – Animal, color                    | *Class 3832 – Digital Composite Image                     |
| *Class 3826 – Action Print, black/ white       | *Class 3833 – Framed Photo – 8"x10"                       |
| *Class 3827 – Action Print, color              | *Class 3834 – Miscellaneous                               |

### **PHOTOGRAPHY – Exhibitors Professional**

- |   |   |
|---|---|
| *Class 3835 – Landscape Print, blk/wht  | *Class 3843 – Sequence of 4 pictures telling a story      |
| *Class 3836 – Landscape (color)         | *Class 3844 – Panoramic View                              |
| *Class 3837 – Human Interest, blk/wht   | *Class 3845 – Photo with Special Effects, black and white |
| *Class 3838 – Human Interest, color     | *Class 3846 – Photo with Special Effects, color           |
| *Class 3839 – Animal black & white      | *Class 3847 – Digital Composite Image                     |
| *Class 3840 – Animal, color             | *Class 3848 – Framed Photo – 8"x10"                       |
| *Class 3841 – Action Print, black/white | *Class 3849 – Miscellaneous                               |
| *Class 3842 – Action Print, color       | *Class 3850 – Framed Photo – any size                     |

## POULTRY - OPEN CLASS

Superintendent..... Tonya Hopson  
Assistant Superintendents.....Lisa Dusin

### **GUIDELINES**

1. See 4-H rules

- |  |   |
|--|---|
| *Class 3820 – Standard Breeds - Large Fowl - One young cockerel          | mature cockerel & two hens  |
| *Class 3821– Standard Breeds - Large Fowl - One young pullet             | *Class 3826 – Standard Breeds - Bantams - One young cockerel              |
| *Class 3822 – Standard Breeds - Lg Fowl-One young cockerel & two pullets | *Class 3827 – Standard Breeds - Bantams - One young pullet                |
| *Class 3823 – Standard Breeds - Large Fowl - One mature cockerel         | *Class 3828 – Standard Breeds - Bantams- One young cockerel & two pullets |
| *Class 3824 – Standard Breeds - Large Fowl - One mature hen              | *Class 3829 – Standard Breeds - Bantams - One mature cockerel             |
| *Class 3825 – Standard Breeds – Lg. Fowl- One                            | *Class 3830 – Standard Breeds - Bantams - One mature hen                  |
|  | *Class 3831 – Standard Breeds - Bantams- One mature                       |

- cockereel & two hens
- \*Class 3832 – Production Pullets - Pen, 3 Standard bred, crossbred, or Strain cross pullets to be judged on egg production qualities only.
- \*Class 3833 – Production Hens - Pen, 3 Standard bred, crossbred, or Strain cross hens to be judged on egg production qualities only.
- \*Class 3834 – Dual Purpose Pullets - Pen, 3 Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
- \*Class 3835 – Dual Purpose Hens - Pen, 3 Rhode Island Reds, New Hampshire, Plymouth Rocks,
- \*Class 3843 – Peafowl (peacocks, guineas, etc.)

- etc.
- \*Class 3836 – Meat-type Chickens-Pen, 3 Standard bred, Crossbred, or Strain-cross birds of same-sex judged on meat production qualities
- \*Class 3837 – Turkeys, all breeds - 1 bird of either sex.
- \*Class 3838 – Ducks, all breeds - 1 bird of either sex.
- \*Class 3839 – Geese, all breeds - 1 bird of either sex.
- \*Class 3840 – Hen with chicks
- \*Class 3841 – Poultry, any breed - 1 pullet
- \*Class 3842 – Poultry, any breed - 1 cockereel

**PIGEONS – OPEN CLASS**

Superintendent: ..... Tonya Hopson  
 Assistant Superintendents: ..... Lisa Dusin

- \*Class 3845 – Pigeons

**RABBIT - OPEN CLASS**

Superintendent.....Ashley Gottschalk  
 Assistant Superintendent .....

- \*Class 3850 – Bucks
- \*Class 3851 – Does

**ROCKETRY - OPEN CLASS**

Superintendent: ..... Bethany Jessup

- \*Class 3860 – Rocketry Display

**WOODWORKING - OPEN CLASS**

Superintendent: ..... Mike Suchsland

**GUIDELINES**

1. Must include the plan, working drawing, sketch, etc. used for construction. Label each article showing intended use.
2. Consideration will be given to usefulness, design, workmanship, choice of wood, and suitability and quality of finish.
3. Designate on the entry form if the article is original or kit constructed.
4. If necessary, each class will be separated by age (under 11 yrs. old, 11-18 yrs. old, and 18 and older).

- \*Class 3871 – Woodworking Articles for Farm or Shop Use
- \*Class 3872 – Lawn Furniture
- \*Class 3873 – Household Furniture

- \*Class 3874 – Other Woodworking Articles (Ex: birdhouse, bird feeder, household equipment such as knife racks, breadboards, etc.)
- \*Class 3875 – Piece of Repaired and Refinished Furniture (a brief explanation of the work completed must be attached).