

# **2024 OSAGE COUNTY FAIRS**

**OSAGE CITY FAIR**

**JULY 24-27**

**OVERBROOK FAIR**

**AUGUST 6-9**

## TABLE OF CONTENTS

Code of Conduct.....	3
Osage City Fair Grievance Policy.....	4
Overbrook Fair Grievance Policy.....	5
Osage City.....	6
Overbrook.....	21
4-H and Open Class General Rules.....	32
4-H Livestock Sale.....	37
4-H / Open Livestock General Rules.....	38
Beef Division.....	41
Dairy Division.....	42
Bucket Calf Division.....	43
Sheep Division.....	43
Swine Division.....	45
Goat Division.....	46
Poultry Division.....	49
Rabbit Division.....	51
4-H Horse Division.....	53
4-H Horse Show Pre-Entry Form.....	56
4-H Dog Division.....	60
4-H Pets Division.....	63
4-H Visual Arts.....	64
4-H Banners.....	65
4-H Sewing and Textiles.....	67
4-H Shopping In Style.....	68
4-H Electrical & Renewable Energy.....	70
4-H Entomology.....	72
4-H Food & Nutrition.....	77
4-H Forestry.....	81
4-H Geology.....	83
4-H Fiber Arts.....	86
4-H Interior Design and Architecture.....	88
4-H Horticulture & Landscape Design.....	89
4-H / FFA Agronomy.....	91
4-H / FFA Ag Mechanics/Welding.....	94
4-H Miscellaneous.....	99
4-H Building Block Engineering.....	100
4-H Photography.....	104
4-H Shooting Sports.....	108
4-H Astronomy.....	110
4-H Computer Science.....	113
4-H Robotics.....	118
4-H Aerospace/Rocketry.....	122
4-H Uncrewed Aerial System.....	131
4-H Wildlife.....	135
4-H Woodworking.....	136
4-H Cookie Jar.....	137

Boys Scouts of America.....	138
Girl Scouts of America.....	138
Open Class Duct Tape Contest.....	139
Open Class Recycling.....	139
Open Class Horticulture and Crops.....	140
Open Class Domestic Arts.....	144
Open Class Domestic Science.....	148
Open Class Cookie Jar Contest.....	154
Open Class Photography.....	154
Open Class Plants and Flowers.....	156
4-H Club Contacts.....	158

## KANSAS 4-H CODE OF CONDUCT

*As a participant in Kansas 4-H Events, you have the responsibility of representing Kansas 4-H programs to the public.*

*You are expected to conduct yourself in a manner that will bring honor to you, your family and 4-H.*

**To do that, you must:**

- 1) Attend all sessions in the planned program. If you are unable to attend, please tell the adult in charge.
- 2) Follow hours and room rules established before the event begins. You are responsible to know the rules for each event.
- 3) Dress appropriately for each event. The adults in charge should have guidelines to help you.
- 4) Be responsible to know and use language and manners appropriate for Kansas 4-H.
- 5) Be in the assigned program area (for example: dorms, cabins, motels, etc.) at all times.
- 6) Know that the use of tobacco, alcohol and non-prescribed drugs is illegal and prohibited at all 4-H events.
- 7) Model respect for other persons, facilities and vehicles. You will be personally responsible for any damage caused as a result of your behavior.
- 8) Help other members in your group have a pleasant experience by making every attempt to include all participants in activities.
- 9) Know that harassment of any type is illegal and prohibited at all 4-H events.

## **Osage City Fair Grievance Policy**

1. All grievances must be made in writing, legibly, on one side of an 8 1/2" x 11" piece of paper, list the names of any witnesses, and be signed by the filer of the complaint. Such grievances must state plainly the cause of complaint or appeal, and must be submitted to one of the District Extension Staff or Fairboard Executive board member within 2 hours following the occasion for the grievance, accompanied by a \$100.00 cash deposit. The deposit will be forfeited if the grievance is overruled. The money will go back into the awards fund for next year fair.
2. Upon receipt of a qualified grievance, Extension Agent(s) will promptly notify the person against whom the grievance was made, the Superintendent of the department for the class event, appropriate Fair Board Representatives, and other parties who may have relevant information. The notice will give a time and place for a hearing to address the grievance. You will be given a response within 24 hours.
3. The hearing committee, authorized by the Frontier Extension District Governing Board to act upon any protest, may consist of, but not limited to the following: Extension Agent(s), Fair Board Executive Board Member, Superintendent of Department in question, a 4-H Club Leader, a 4-H PDC Member, 4-H Council Executive member, and an Extension Executive Board Member.
4. When a protest is either allowed or denied, the course of action shall be entered in writing, and a copy delivered to the protestant and the person against whom the grievance was made. If applicable, premiums and awards may be held and distributed when the final decision on the grievance is made. The hearing committee reserves the right to institute further restrictions upon the person/persons upon whom the protest was made.

## **Overbrook Fair Grievance Policy**

1. All grievances must be made in writing, legibly, on one side of an 8 1/2" x 11" piece of paper, list the names of any witnesses, and be signed by the filer of the complaint. Such grievances must state plainly the cause of complaint or appeal, and must be submitted to one of the District Extension Staff or Fairboard Executive board member within 24 hours following the occasion for the grievance, accompanied by a \$150.00 cash deposit. The deposit will be forfeited if the grievance is overruled. The money will go back into the awards fund for next year fair.
2. Upon receipt of a qualified grievance, Extension Agent(s) will promptly notify the person against whom the grievance was made, the Superintendent of the department for the class event, appropriate Fair Board Representatives, and other parties who may have relevant information. The notice will give a time and place for a hearing to address the grievance. You will be given a response within 24 hours.
3. The hearing committee, authorized by the Frontier Extension District Governing Board to act upon any protest, may consist of, but not limited to the following: Extension Agent(s), Fair Board Executive Board Member, Superintendent of Department in question, a 4-H Club Leader, a 4-H PDC Member, 4-H Council Executive member, and an Extension Executive Board Member.
4. When a protest is either allowed or denied, the course of action shall be entered in writing, and a copy delivered to the protestant and the person against whom the grievance was made. If applicable, premiums and awards may be held and distributed when the final decision on the grievance is made. The hearing committee reserves the right to institute further restrictions upon the person/persons upon whom the protest was made.

# 79th Annual

## OSAGE COUNTY FAIR



**Community Entertainment:**

**July 10<sup>th</sup>-13, 2023**

**4-H Shows & Events**

**July 24-27<sup>th</sup>, 2023**

**Osage City, Kansas**

Visit our website:

[www.osagecountyfair.org](http://www.osagecountyfair.org)

# **2024 OSAGE COUNTY OSAGE CITY FAIR BOARD**

## **Officers:**

President.....Jake Sand  
Vice President.....Keith Engler  
Secretary.....Amand Croucher  
Treasurer.....Pam Whitmer  
4-H Livestock Sale Manager.....Amanda Croucher  
Member at Large.....Kara Thompson

## **Members/Board of Directors:**

Dorothy Christiason	Shannon A. Engler	Marjorie Vaughn
Amanda Croucher	Jim Paul	Pam Whitmer
David Drimmel	Jake Sand	
Keith Engler	Kara Thompson	

## **Advisory/Events & Entertainment Committee:**

Jim Paul – Osage City Lions Club	Michelle Rickel & Seanta Prescott- Osage
Jeanette Swarts - Chamber of Commerce	County Farm Bureau

## **Livestock Committee:**

Amanda Croucher	David Drimmel
Keith Engler	Amy Gilliland
Shannon Engler	Jake Sand

## **Exhibit Hall Committee:**

Kara Thompson, Chairperson	Dustin Stucky
Donna Marie Anderson	Jenny Tate
Dorothy Christiason	Marjorie Vaughan
Niki Schoepflin	Pam Whitmer
Colleen Stucky	

## **Buildings and Grounds Committee:**

Keith Engler, Chairperson	David Drimmel
	Jacob Sand

**Veterinarian:** Kyle Stromgren, DVM – Osage Veterinary Services

**All 4-H, Open, FFA, Boy Scout & Girl Scout Exhibits, including Static Projects, Livestock and Small Animals will need to be entered online this year.**

**Website: <http://osagecountyfair.fairentry.com>**

\$20 late fee per exhibitor for late entries

No exhibits will be accepted after Entry of Exhibits closes at 11:00 AM on Wednesday.

Livestock, Rabbits, & Poultry registration will open at 10am in the Fredrickson Arena.

Livestock weigh-in will begin at 12 Noon on Wednesday.

All sheep and goats are required to be vet checked prior to unloading and stalling. Scrapies tags are required and will be checked at weigh-in.

**A mandatory livestock meeting will be held on Wednesday, July 24th at 11 a.m. in the Doran D.**

**Fredrickson Arena.** All livestock and small animal exhibitors are required to attend. This meeting will cover all new rules and changes, address important information pertaining to the 4-H shows and the 4-H livestock sale. This will allow exhibitors and their parents to ask any questions they may have.

All exhibits and animals shall remain on the Fairgrounds until 12:00 noon on Saturday, July 27<sup>th</sup>. In the event of extreme weather conditions and/or livestock temperament, the livestock superintendents may approve early release.

The Exhibits Building will close at 2:00 PM on Saturday, July 27<sup>th</sup>.

All exhibits in this building will need to be picked up between 12:00 noon and 2:00 PM.

#### **4-H STYLE REVIEW**

**4-H Youth Development Program Manager – Jo Hetrick-Anstaett**

4-H Members will show off their unique style in the 4-H Style Review on Wednesday, July 24<sup>th</sup> at 5:00 p.m. inside the Community Building.

#### **CLOVERBUD EXHIBITS**

Cloverbuds is a non-competitive 4-H organization for 5–6-year-olds.

All Cloverbud exhibitors will display their exhibits at the designated Cloverbud table located in the Exhibit Building. No premiums will be paid for the exhibits; participation ribbons will be awarded.

Class CG100 Cloverbud Exhibit



## **Premiums**

Premiums for Livestock and Exhibits in the Exhibits Building will be available at the Pavilion Office window on Sunday July 28<sup>th</sup> following Fair Clean-Up. Premiums for Livestock, Rabbits, and Poultry will be available after your cages/pens/stalls are inspected by the Superintendents. Any premiums not picked up shall be donated back to the Osage County Fair Association.

### **Premiums for the Osage County Fair:**

All 4-H classes except large Livestock; including poultry & rabbits:

Purple: \$4.00

Blue: \$4.00

Red: \$3.00

White: \$2.00

All 4-H Beef & Dairy:

Purple: \$7.00

Blue: \$6.00

Red: \$5.00

White: \$4.00

All livestock including Horse, Swine, Goats, Sheep & Bucket Calf:

Purple: \$6.00

Blue \$5.00

Red: \$4.00

White: \$3.00

All OPEN classes including Livestock & Exhibits;

1<sup>st</sup> place: \$4.00

2<sup>nd</sup> place: \$3.00

3<sup>rd</sup> place: \$2.00

## **4-H HORSE SHOW**

**Superintendent – Dorothy Christason**

The 4-H Horse Show will be Saturday, July 20<sup>th</sup> at 9:00 AM. Registration starts at 8:30 AM  
The show will be at Burns-Sky View Arena located at 28312 S. Wanamaker Rd.

All entries are required to be submitted online through FairEntry and are due by June 15<sup>th</sup>, 2024.

**Website:** <http://osagecountyfair.fairentry.com>

**ROUND ROBIN SHOWMANSHIP**

**Osage City-Superintendents- Amanda Croucher  
Saturday, July 27<sup>th</sup> 9:00AM**

**Senior and Intermediate Showmanship Champions in the following divisions:  
HORSE, BEEF, DAIRY, SHEEP, SWINE, and GOATS  
will compete for Grand Champion Senior Showman and  
Grand Champion Intermediate Showman**

Champions can only show in one division. A Champion who qualifies in more than one division will choose which division he or she will show in and notify the Superintendent.

The Reserve Champion will then be eligible to show in the other division(s).

Those qualifying in Horse Division must call, 785-219-3155 (cell), by Wednesday evening to confirm or decline their participation. Other Champions must contact Amanda ASAP following their event to confirm or decline participation.

If the Osage County Fair Horse Show is canceled, or postponed to a date after the Fair, due to weather, if there is no Senior or Intermediate Grand Champion Showman for the Horse division available, then there will be no Horse Champion Showman participant.

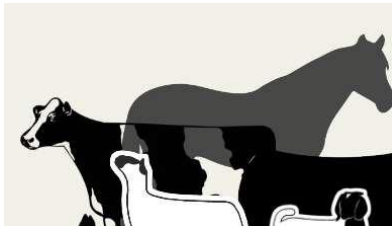
Senior and Intermediate Showman Awards sponsored by:  
**Edward Jones, Investor Representative**

The logo for Edward Jones, featuring the name "Edward Jones" in a bold, black, sans-serif font centered within a solid yellow rectangular background.

**Edward Jones**

**Robyn Williams**

**EK Real Estate – Shannon A. Engler** will be providing donuts and juice Saturday before the Round Robin Showmanship event.



**4-H LIVESTOCK SALE**

Livestock Sale Cards are due 30 minutes after the Swine Show (Friday). If you do not turn a sale card in, you cannot sell your animal. Due to floor buyers request, dairy goats are not eligible for the livestock sale regardless of weight. There will be a surcharge of \$8.00 for each animal sold. See Amanda Croucher for questions.

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**4-H LIVESTOCK SALE  
OSAGE COUNTY FAIR  
OSAGE CITY, KS**

**SATURDAY  
JULY 27,  
2024**

**Sale Starts at 6:30pm  
Fredrickson Arena.**

**Buyers Dinner immediately  
following the Sale.**

**SALE  
THE  
DATE**

# Livestock Sale Contributors

# THANK YOU

*for your support!*



A3 Farms  
Ag Choice/MFA - Osage City  
Auburn Pharmacy  
Bank of Burlingame  
Bank of Osage City  
Black Crest Cattle  
Bluestem Farm & Ranch  
Brian Creager  
Butch & Marla Stucky  
Citizens State Bank  
Corwine Seeds & Service  
Farm on the Flats  
Flint Hills Beverage  
G&g Hog Farm  
Hook Farms  
J & M Sand Ranch  
JAG Trucking  
James Pearson Memorial  
Jerry's Thriftway  
Josh & Brenae Tapp  
Kansas Insurance-John Kabus  
KB's SpecialTee's  
Lanoue Cattle Co.  
Leslie Arvieux

Lazy J Custom Meats  
Manhattan Commission Co.  
Marty Young  
MK Strategies  
Next Level Utilities & Excavating Inc  
OC Showdown  
Osage Veterinary Services  
Ottawa Coop Association  
Overbrook Livestock Commission  
Overbrook Spirits  
Prairieland Partners John Deere  
Pyramid Batteries LLC  
Quality Built Construction  
Quality Built Pole Barns  
Santa Fe Trail Meats - Aaron Higbie  
Shannon A. Engler ReMax EK Real Estate  
Sloop Sales & Hook Repair  
Snack Shack  
Tarwater Farm & Home  
Theel Plumbing  
Thielen Farms of Lebo  
Vestas - Steelhead Americas  
Wischropp Auctions - Wayne Wischropp  
Woodson County Sheep Auction



**79<sup>th</sup> Annual Osage County Fair -- Osage City**  
**4-H Fair Events and Entertainment Schedule**

*Fairgrounds will close daily 30 minutes after last evening event.*

*Exhibit Building hours: 9AM to 9PM*

**July 1st – 15<sup>th</sup> ONLINE PRE-ENTRY FOR ALL EXHIBITS & LIVESTOCK**

**Saturday, July 20<sup>th</sup>**

- 8:30 a.m. Registration and check-in for Horse Show  
9:00 a.m. **4-H Horse Show** – Burns/Sky View Horse Farm

**Sunday, July 21<sup>st</sup>**

- 3-6:00 p.m. **Fair Set-up** – Exhibit Hall, Pavilion, and Fredrickson Arena

**Tuesday, July 23<sup>rd</sup>**

- All Day **Setup of tack and equipment** – No Animals allowed until Wednesday.

**Wednesday, July 24<sup>th</sup>**

- 7:00 a.m. Fairgrounds open to the public  
8-11 a.m. **ALL EXHIBITS Entry** (4-H, Open, FFA, Girl Scout/Boy Scout) Exhibit Hall & Fredrickson Arena  
8:00 a.m. Donuts & Juice provided by Frontier Farm Credit – Emporia Office  
9:00 a.m. Goats & Sheep Vet Check – All *Goats & Sheep MUST be Vet checked before unloaded*  
11:00 a.m. **Mandatory** Livestock Exhibitor Meeting – Fredrickson Arena  
11:30 a.m. Exhibitor Luncheon – Sponsored by Osage County Fair Association  
12:00 p.m. Livestock Weigh-In  
1:00 p.m. Exhibit Judging starts – Exhibit Hall closed to the public while judging  
2:00 p.m. **4-H Dog Show**– Community Building  
5:00 p.m. **4-H Clothing Style Revue** – Community Building  
6:30 p.m. **4-H Sheep & Goat Show** – Fredrickson Arena

**Thursday, July 25<sup>th</sup>**

- 6:00 a.m. Lions Club Food Stand opens  
9:00 a.m. **4-H/Open Poultry Show** – Pavilion  
5-6:15 p.m. Registration and check-in for Pie Baking Contest in Community Building  
6:30 p.m. **Blue Ribbon Pie Baking Contest** - judging in Community Building  
6:30 p.m. **4-H Bucket Calf & Dairy Show** – Fredrickson Arena  
7:00 p.m. **4-H/Open Beef Show** – Fredrickson Arena

**Friday, July 26<sup>th</sup>**

- 6:00 a.m. Lions Club Food Stand opens  
9:00 a.m. **4-H/Open Rabbit Show** – Pavilion  
9-11 a.m. **4-H Ambassadors Pancakes & Games**-Arena/Pavilion  
1:00 p.m. **4-H/Open Pet Show**– Fredrickson Arena  
6:30 p.m. **4-H/Open Swine Show** – Fredrickson Arena  
7:30 p.m. **OCFA Homemade Ice Cream Social** – outside the Community Building  
7:30 – 9 p.m. **Bingo** – sponsored by the St. Patrick Altar Society (Community Building)  
8 - 11 p.m. **Entertainment to be Announced**-Stage east of Community Building

**Saturday, July 27<sup>th</sup>**

- 6:00 a.m. Lions Club Food Stand opens-All you can eat breakfast  
8:00 a.m. Donuts & Juice provided by RE/MAX EK Real Estate – Shannon A. Engler  
9:00 a.m. **4-H Round Robin Showmanship** – Sponsored by Edward Jones/Black Crest Cattle - Fredrickson Arena  
9 -12 p.m. **Touch-A-Truck event** – Sponsored by Osage County Farm Bureau - west of Football Field  
10-12 p.m. **Ultimate Foam Party**-Sponsored by Osage County Fair Events & Entertainment Committee  
11 - 2 p.m. All Exhibits released from Fairground – Exhibit Hall/Livestock Barns  
6:30 p.m. **4-H Livestock Sale** – Fredrickson Arena

**Sunday, July 28<sup>th</sup>**

- 12 - 2 p.m. Fair Clean-up (Premium checks ready for pick-up at Pavilion Office window after Clean-up)





**OSAGE COUNTY**

# **FAIR SPONSORS**



**ALLEN MEAT PROCESSING**  
**AUBURN PHARMACY - MANDY GIBSON**  
**BAILEY & SONS MOTOR CO. - JAY BAILEY**  
**BRANDED GRAPHICS - JOSIE BOSSE**  
**CHARGER ARMS - ADAM BALZER**  
**CONKLIN PLUMBING - SHAWN CONKLIN**  
**EDWARD JONES - ROBYN WILLIAMS**  
**FARMERS INSURANCE - JOSEY MCFARLANE AGENCY**  
**FIRST NATIONAL BANK OF KANSAS**  
**FLINT HILLS BANK OF OSAGE / BURLINGAME**  
**FRATERNAL ORDER OF EAGLES - OSAGE CITY**  
**GARRETT EQUIPMENT LLC - KYLE GARRETT**  
**HOLMBERG OIL - C.J. HOLMBERG**  
**JAG TRUCKING - JASON & AMY GILLILAND**  
**KANEQUIP, INC.**  
**LYNDON STATE BANK**  
**ORBIS**  
**OSAGE BUILDING MATERIALS - OSAGE CITY**  
**OSAGE COUNTY ATTORNEY**  
**OSAGE VETERINARY SERVICES, LLC - KYLE STROMGREN**  
**OTTAWA CO-OP**  
**PORTER CATTLE CO. - RICHARD PORTER**  
**QUALITY BUILT CONSTRUCTION & POLE BARNS**  
**RATCLIFF PROPANE, LLC**  
**RE/MAX - EK REAL ESTATE - SHANNON A. ENGLER**  
**RIDGE IRON GRILL**  
**SANTA FE TRAIL MEATS - AARON HIGBIE**  
**THEEL PLUMBING, HEATING, & COOLING, INC.**  
**VINTAGE PARK IN OSAGE CITY**

**SILVER  
LEVEL  
BANNER  
SPONSORS**



Two Weekends

# FUN Osage County FAIR

COMMUNITY  
July 10-13, 2024



4-H EVENTS  
July 24-27, 2024



**NEXT TO OSAGE CITY  
COMMUNITY BUILDING**  
307 S. 1st St. Osage City, KS

Carnival Rides  
provided by:

**GREAT PLAINS AMUSEMENT**

Find something for everyone  
at the Fair in Osage City!  
Entertainment includes;  
Demolition Derby, Live Band,  
Magician, Bingo, Fireworks,  
Livestock Shows & more!

*Pre-Sale Discounts!*

**CARNIVAL  
WRISTBANDS**

[www.osagecountyfair.org](http://www.osagecountyfair.org)



# COMMUNITY EVENTS

JULY 10TH -13TH, 2024

**JUL  
10**

**CARNIVAL RIDES**

**JUL  
11**

**CARNIVAL RIDES &  
MAGIC SHOW**

**JUL  
12**

**CARNIVAL, BINGO,  
"DELTA HAZE" BAND  
& FIREWORKS**

**JUL  
13**

**CARNIVAL RIDES &  
DEMOLITION DERBY**

[WWW.OSAGECOUNTYFAIR.ORG](http://WWW.OSAGECOUNTYFAIR.ORG)

# DELTA HAZE

LIVE MUSIC



FACEBOOK

★ [WWW.DELTAHAZE.NET](http://WWW.DELTAHAZE.NET)

JULY 12, 2024

8PM to

MIDNIGHT

MAIN STAGE



OSAGE COUNTY FAIR

517 S 1ST ST OSAGE CITY, KS



FOOD, PARADE, RIDES, EVENTS

CARNIVAL, BEER GARDEN,

FIREWORKS CELEBRATION

AND VENDORS





*Pay Up Sucker Promotions*



Admission: \$10 Adults  
\$5 children 5-12 yrs  
Free for children 4 & under

July **13** 2024

OSAGE COUNTY FAIRGROUNDS

INSPECTION 2-5PM | DERBY STARTS AT 7PM

FOR RULES AND PAYOUT DETAILS VISIT US AT  
[WWW.OSAGECOUNTYFAIR.ORG](http://WWW.OSAGECOUNTYFAIR.ORG)

# KIDS FUN DAY ACTIVITIES



*Osage County Fairgrounds - Osage City*

## Touch-A-Truck

Sponsored by Osage County Farm Bureau and JAG Trucking



Join the fun and check out the firetrucks, emergency vehicles, tractors, and more!

## Ultimate Foam

Brought to you by the Events & Entertainment committee.



This interactive experience is sure to be a favorite event at the Fair. Join us for the awesome foamy dance party!



For more information visit [www.osagecountyfair.org](http://www.osagecountyfair.org)

# Welcome to the 2024 Osage County Fair



August 6<sup>th</sup>-10<sup>th</sup>

Visit our website: <https://overbrookfair.weebly.com/>

# 2024 Overbrook-Osage County Fair Association

## Officer Team

President.....Charlie Glenn  
Vice President.....Kevin Smith  
Treasurer.....Trent Moore  
Secretary.....Jori Harvey

## Members

Craig Barrington	Kristin Kneisler	Adam Craig
Darby Kneisler	Russell Mitchell	Dale Musick
Melissa Cannon	Bryan McGrew	Matthew Craig
Amy Lang	Calvin Young	Lane Clark
Eric Lind	Keith Gerisch	Hannah Clark
Holly Stebbins	Nathan Gerisch	Jeff Lill
Jared Faust	Roger Harmon	Jan Heberling
Maurey Sund	Dale Lee Musick	
Casey Babbit	Eric Carter	

# Premiums

Premiums for Livestock and Exhibits in the Coffman Building will be available at the fair office inside the Midway Building on Saturday, August 10<sup>th</sup> at 10:00 a.m.. Premiums for livestock, rabbit, and poultry exhibitors will be available after your pens, cages, or stalls have been inspected by one of the superintendents or a fair board member.

Any premiums not picked up will be given to the extension office to be picked up.

Premiums for the Osage County Fair:

All Exhibits and small animals (4-H and Open Class)

Purple: \$2.00

Blue: \$2.00

Red: \$1.50

White: \$1.00

Large animals (4-H Swine, Sheep, Goat, Bucket Calf, Beef, Dairy, & Horse)

Blue: \$7.00

Red: \$6.00

White: \$5.00

Large animals (Open Class Swine, Sheep, Goat, Bucket Calf, Beef, Dairy, & Horse)

Blue: \$5.00

Red: \$4.00

White: \$3.00

Booths, 4-H Banners, Club Pen of Three

Purple: \$20.00

Blue: \$20.00

Red: \$15.00

White: \$10.00

No premiums are paid for showmanship classes.

# Entering Exhibits

All 4-H, Open Class, FFA, Boy Scouts, and Girls Scouts exhibits will be entered in the following areas beginning at 8:00 a.m. on Tuesday, August 6<sup>th</sup>. Exhibitors should receive their exhibitor number from the extension office. If you do not have a number, visit the fair board office located on the south end of the Midway Building.

Foods—Boy Scout Building

All other building exhibits—Coffman Building

Poultry and rabbits—Poultry and Rabbit Barn

All other livestock—Show Arena

All entries should be on grounds and entered by 11:00 a.m. on Tuesday. Exceptions are as follows: Dog and Hand Pets shall enter 30 minutes prior to show time. Horses will enter prior to their show.

Mandatory livestock meeting will be held in the show arena starting at 11:00 a.m. on Tuesday. All livestock and small animal exhibitors are required to attend. This meeting will cover all new rules and changes for the fair, address essential information regarding the livestock shows, and the 4-H premium sale. This meeting is also for parents or exhibitors to ask any questions. After the meeting, we will have a meal in the concession stand area and then will begin livestock weigh in at noon.

All exhibits and livestock shall remain on grounds until after the Livestock Premium Sale on Friday, August 9<sup>th</sup>. In the event of extreme weather conditions and/or livestock temperament, the livestock superintendents and fair board may approve an advance release.

The Coffman Building will be open all day on Saturday and exhibits can be picked up beginning at 10 a.m. on Saturday. Any exhibits left over will be sent to the extension office for pickup.

## Rate of Gain Contest

**Sponsored by Citizens State Bank of Lyndon**

The contest encourages the 4-Her to measure the growth potential of their livestock. The rate of gain contest begins at the designated spring weigh in and concludes at weigh in at the Osage County Fair in Overbrook. To be eligible, animals must be entered and shown in the market class. Winners will be announced during the livestock premium auction on Friday, August 9<sup>th</sup>.

### Rate of Gain Prize Money

Beef: 1st \$50.00	2 <sup>nd</sup> \$30.00
Sheep: 1st \$25.00	2 <sup>nd</sup> \$20.00
Goat: 1st \$25.00	2 <sup>nd</sup> \$20.00
Swine: 1st \$25.00	2 <sup>nd</sup> \$20.00



# Round Robin Showmanship Contest

Contest will be held at 9:00 a.m. on Friday, August 9<sup>th</sup>. Senior and Intermediate Showmanship Champions are eligible in the following divisions: Horse, Beef, Dairy, Sheep, Swine, and Meat Goat.

1. Showmanship winners must contact their species superintendent after all species have been judged and indicate whether they are or not going to participate.
2. If the Champion does not compete, then the order of advancement of the round robin will be based on the ascending order of the judges ranking (i.e., Reserve Champion through Blue). This same ranking will be followed if a champion has qualified in multiple species.
3. Contestant must agree to show in the Round Robin and provide the animal they won with. Any substitution of animals for the competition due to injury or sickness will be made at the discretion of that species superintendent.
4. Animals used in the competition must be clean to show but do not have to be fitted.
5. Each species superintendent will be present and responsible for his/her species at the competition.
6. Round Robin participants are encouraged to ask their fellow exhibitors about their species and practice before the contest. We strongly encourage participants to get to know their fellow exhibitors and learn about different species.
7. The winner will be announced at the conclusion of the Round Robin. They will also be announced during the Showcase of Champions prior to the Parade of Champions during the livestock sale Friday evening.
8. The competition will be broken down into two divisions: Intermediate and Senior. The intermediate and senior Round Robin showmanship contest will be held simultaneously. Each participant will have 3-5 minutes to show the species involved. Senior participants will show the senior species champion's animal and intermediate participants will show the intermediate species champion's animal.

## Pedal Tractor Pull

Boys and girls will pull together ages 4 thru 13. Tractor Pull will be held Saturday, August 10<sup>th</sup> at noon.

Each sled operator will conduct their individual pull as fair as humanly possible without discrimination of age, sex, or race. The kids are the most important.

- A. The contestant must be able to pedal the tractor without assistance.
- B. All contestants must wear shoes.
- C. Each class pulls on the same tractor with the same sled.
- D. The pulling tractor must stay between the lines of the pulling lanes at all times. If the tractor leaves the pulling lane, the distance will be measured from the starting line to the point of the front edge of the pan.
- E. In case of a tie, there will be a pull off to determine the winner.
- F. Anytime the forward momentum of the tractor stops, the pull is over. This includes the foot slipping off the pedal.
- G. Sanctioned operators will provide vouchers for the first, second, and third place winners of each class which entitles the contestant to participate in the State pull.

# Overbrook Pride Fair Parade “Celebrating Superheros”

Calling all Superheroes: Join the Celebration! It’s time to don your capes, masks, uniforms, and super suits as we come together to celebrate the extraordinary world of Superheroes! From the mighty Avengers to the courageous Justice League, and every hero in between. Whether you’re a fan of classic comic book icons modern-day guardians of the galaxy, or the everyday hero across the nation, this parade is your chance to display the spirit of heroism and inspire all who witness heroic presence. So, assemble your team, unleash your powers, and join us in Overbrook for an unforgettable parade with things super!

1. Contact Person: Becky Coltrane [bcoltrane@overbrookks.com](mailto:bcoltrane@overbrookks.com) or call Overbrook City Hall (785) 665-7328
2. Registration: Entries must be received to Overbrook Pride by Wednesday, August 7<sup>th</sup>. Designate category and float title when registering. Email entries to [bcoltrane@overbrookks.com](mailto:bcoltrane@overbrookks.com) or call Becky at City Hall (785) 665- 7328.
3. Schedule: Parade begins at 6:00 p.m. on Saturday, August 10<sup>th</sup>. Arrive no later than 5:30 p.m. Floats will line up on Market, west of Maple. Band Buses and vehicles will park south of La Finca, formally Overbrook Thriftway, and line up on Maple east of grain elevators.
4. No float entry will be eligible for more than one prize.
5. There is no limit to the number of entries by an organization.
6. Points will be considered by judges to award.
  - a. Theme Portrayal: 10 Points
  - b. Skirt Design & Arrangement: 20 Points
  - c. Color Theme: 10 Points
  - d. Neatness & Artistry: 10 Points
7. Prizes are awarded to the 1<sup>st</sup> and 2<sup>nd</sup> place entries in each category
8. Float Categories:
  - a. Most Realistic/True to Theme
  - b. Most Humorous/Comical
  - c. 4-H Floats

## 4-H Livestock Sale

Livestock sale cards are due 30 minutes after the conclusion of beef show on Thursday, August 8<sup>th</sup>. Livestock cards can be turned into the fair office in the Midway, Melissa Cannon, or Darby Kneisler. If you do not turn a sale card in, you cannot sale your animals. Exhibitors are only allowed to sell **ONE** animal during the premium sale. Champions will sell first and then rest of species will sell in order of their class placing. Animals that do not meet the minimum weight requirements will not be allowed to sale in premium sale.

### 2023 Livestock Buyers and Merchant Fund Contributors:

Kansas State Bank	Superior Land Group Brandy Criss Engler	Overbrook Livestock
Overbrook Spirits	Santa Fe Trail Meats	Theel Plumbing
DL Concrete	Coffey County Vet	Harsch Ranch
WLF Partnership	Shannon Engler, EK Real Estate	Bruce & Debra Smith
GG Hog Farm	Hook Farms	First Security Bank
Cross Roads RV Park	Matt & Kathie Corwine	Rod & Diane Buckalew
T&T Flatworks	Citizens State Bank	Danny & Terry Rice
LeRoy Coop	Nunemaker-Ross, Inc	Strogren Simmentals
Brookside Retirement Community	Sloop Sales & Hook's Repair	Jon Brady
Brian Creager	Luke Lang & Kellie Stebbins	Wildcat Feeds
Stockgrowers State Bank	Carbondale Pet Clinic	Fawl Ag Sales
Bronsoki Cattle Co	Corwine Seeds & Service	Lang Dirt Service
The Feed Bunk	Jack Gilmore	Aaron & Maggie Mead
Brett Korr	Kansas Powertrain & Equipment	KAB Tire
Macenzie Ganger	Doman's Outdoors	S&L Ranch
The Shop Pat & Nancy Anderson	Conklin Plumbing	Dennis Pearce
Clawson Farms	Topeka Power Sports	Snack Shack
Osage Veterinary Services	Osage County Fair Bureau	David & Molly Drimmel
Friends of Osage County 4-H and FFA	Tarwater Farm and Home	Producer's Coop
Dennis & Danielle Garrison	Leslie & Josh Arvieux	Smoking Gun Ranch
Black Crest Cattle	Northern WI Real Estate Rick Bina	

## 4-H Award Sponsors

Our fair would not be possible without these great businesses and people. Thank you for all that you do for our Osage County 4-Hers.

Judd Ranch	Luke Lang
Frontier Farm Credit	Schoepflin Trucking
First Security Bank	Clover Wranglers 4-H Club
McCain Plumbing	Trudy & Braden Anshutz
Manhattan Commission Co	Kellie Stebbins
Gary & Shirley Wray	Everett & Patricia Thompson
Overbrook Hair Shoppe	Ed & Peggy Tucker
Carbondale Liquor	City of Carbondale
Santa Fe Trail Meats	Amy Lang
Kneisler Farms	Summer Taylor
Lavon & Gaylon Harris	Dean & Diana Supple
Overbrook Wash RACK	Nelta Land
Corwine Farms	Koger Family
Saved By Grace	Russell & Stephanie Smith
Bolz Insurance	Kansas State Bank
Running With Scissors	Cannon Family
Citizens State Bank	

## 2023 Champion Belt Buckle Sponsors

Sheep	Breeding Ewe	Copper Moose Market Overbrook, KS
	Market Lamb	Kansas State Bank Overbrook, KS
	Senior Showmanship	Kansas State Bank Overbrook, KS
	Intermediate Showmanship	Copper Moose Market Overbrook, KS
	Junior Showmanship	Brandy Engler - Superior Real Estate and Land Group Lyndon, KS
Swine	Breeding Gilt	Flory Swine Genetics
	Market Hog	MK Strategies & Kilgore Family
	Senior Showmanship	MK Strategies & Kilgore Family
	Intermediate Showmanship	Flory Swine Genetics
	Junior Showmanship	Christy Emperley - Realtor, Keller Williams One Legacy Partners, LLC
Beef	Heifer	Howard & Elise Woodbury
	Market Beef	Caleb & Janae McNally
	Senior Showmanship	Brandy Engler - Superior Real Estate and Land Group Lyndon, KS
	Intermediate Showmanship	Caleb & Janae McNally
	Junior Showmanship	Howard & Elise Woodbury
Meat Goat	Breeding Doe	Brandy Engler - Superior Real Estate and Land Group Lyndon, KS
	Market Goat	Kyle Garrison
	Senior Showmanship	Kyle Garrison
	Intermediate Showmanship	Brandy Engler - Superior Real Estate and Land Group Lyndon, KS
	Junior Showmanship	Christy Emperley - Realtor, Keller Williams One Legacy Partners, LLC

# 2024 Overbrook Fair Schedule

## August 6<sup>th</sup>-10<sup>th</sup>

Saturday, August 3<sup>rd</sup>

- 8:30 AM—Horse Show (LQ Farms 5624 E 181<sup>st</sup> St)

Sunday, August 4<sup>th</sup>

- 3:00– 6:00 PM—Fair Set-Up

Tuesday, August 6<sup>th</sup>

### **Donuts & Juice sponsored by Frontier Farm Credit at Show Arena**

- 8:00-11:00 AM—4-H Exhibitor Check-in—All Sheep and Goats must be checked by the Vet prior to unloading from the trailer
- 10:00-11:00 AM—Open Class Exhibitor Check-in
- 11:00 AM—Livestock Exhibitors Meeting at the Show Arena
- 11:15 – Noon—Meal for all Exhibitors & Volunteers (Concession Stand)
- Noon—Weigh-in Beef, Sheep, Swine & Goats at Show Arena
- 1:00 PM—Judging of all building exhibits—food for sale will be after judging
- 3:00 PM—Dog Show (Midway Building)
- 9:00 PM—Coffman Building will close

Wednesday, August 7<sup>th</sup>

- 9:00 AM—Dairy Goat Show followed by Meat Goats and Sheep (Livestock Arena)
- 1:00-3:00 PM—Osage County 4-H Ambassador Popsicles and Line Dancing (Livestock Arena)
- 7:00 PM—Swine Show (Livestock Arena)
- 9:00 PM—Coffman Building will close

Thursday, August 8<sup>th</sup>

- 8:30 AM—Rabbit Show (Rabbit & Poultry Barn)
- 9:30 AM—Poultry Show (Rabbit & Poultry Barn)
- 6:30 PM—Bucket Calf Show (Livestock Arena)
- 7:00 PM—Dairy Cattle Show followed by Beef Show (Livestock Arena)
- 9:00 PM—Coffman Building will close

### Friday, August 9<sup>th</sup>

- 9:00 AM—Round Robin Contest (Livestock Show Arena)
- 11:00 AM—Livestock Judging Contest (Livestock Show Arena)
- 2:00 PM—Pet Show (Livestock Show Arena); Entries due 30 minutes before show
- 6:00 PM—Showcase of Champions followed by the Parade of Champions
- 6:30 PM—Livestock Auction
  - Immediately following livestock auction all livestock is dismissed
- 8:00 PM—Friday Night Event
- 9:00 PM—Coffman Building will close

### Saturday, August 10<sup>th</sup>

- 9:00 AM—Fair tear down and clean up
- 10:00 AM—All exhibits released
  - Premium money will be available to pick up at the fair office
- NOON—Kids Pedal Tractor Pull
- 6:00 PM—PARADE
- 7:00 PM—NEKS Pullers Hotrod Truck & Tractor Pull

4-H  
and OPEN  
CLASS  
GENERAL  
RULES  
& CLASSES



The 4-H Clubs below are scheduled to clean up the designated livestock areas in preparation for the next 4-H Show or Activity.

**Osage City Fair**

Lyndon Leaders 4-H Pavilion after Beef show

Clover Wranglers 4-H Pavilion after Goat and Sheep show

North Osage 4-H Pavilion after the Swine show

**Overbrook Fair**

Melvorn Jr Highline 4-H Show Area after Swine show

Burlingame 4-H Show Area after Sheep show

Willing Workers 4-H Show Area after Beef show

\*We should always leave areas better than we found them. If you see trash, whether it is your club's scheduled clean-up day or not, please dispose of it properly.

**RULES AND REGULATIONS**

**Rule 1 - General Rules**

- A. The management of the Osage City and Overbrook Fair Associations hereby reserves the right to postpone the fair for any cause whatsoever deemed necessary for the good of all parties concerned.
- B. In no event will the Osage City or Overbrook Fair Association or its officers, directors or members be held responsible for any loss or damage to the property or person of exhibitors or other persons while on the Fairgrounds, whether said loss or damage shall arise from an accident or any cause whatsoever. All diligence will be used by the officers of the association to prevent any loss or mishap.
- C. All departments will be guided by special rules pertaining to their departments.
- D. Any person who violates any of the following special rules OR THE 4-H CODE OF CONDUCT (FOR 4-H MEMEBERS) will forfeit all privileges and premiums and be subject to such penalties as the board of directors may order.
- E. Age of 4-H'er is determined as of January 1 of the current year.
- F. Cloverbud exhibits will receive a participation ribbon – no premium.

## **Rule 2 - Entry Requirements**

**A. ALL 4-H/FFA EXHIBITORS MUST BE OSAGE COUNTY 4-H OR FFA MEMBERS.**

B. Out of county 4-H/FFA members can exhibit in open classes.

C. All articles and animals must be entered with the superintendents of the various departments in the name of the owner.

D. No animal or article will be entered in more than one department or compete for more than one premium.

E. Open Class exhibitors must own their own livestock and it may not be shown in any 4-H class.

## **Rule 3 - Liability of Exhibitor**

A. All property entered for competition, display or any other purpose shall be subject to the control of the management.

B. In no case shall the fair boards be held responsible for any loss, damage, accident, or injury from any causes of people or animals, disease included, while they or their property are on the grounds. If exhibitors desire protection, they must make their own arrangements for insurance.

## **Rule 4 - Exhibits**

**A. 4-H exhibits must show in 4-H classes listed in this fair book. NO 4-H classes will be added at the fair.**

B. 4-H Club members can enter their 4-H Club exhibits only in their own class. If they wish to enter in the Open Class, it is necessary that they exhibit other than what they have entered in their 4-H Department.

C. All agricultural, horticultural and floral exhibits must be grown by the exhibitor.

D. If it be ascertained that any exhibitor or exhibitors family has in an inappropriate manner taken exception to the judgement rulings of an awarding committee, judge or any of the fair officials, the board of directors can expel said exhibitor so offending, from competition or exhibiting on the grounds until he/she has made proper apology and been reinstated.

E. If it is found that an exhibitor has made any false statement in regards to any animal or article or if the 4-H member interferes with the judges performance of their duties, he/she will be excluded from competing.

F. 4-H exhibitors will follow the Kansas 4-H Code of Conduct printed in the fair book.

## **Rule 5 - Removal of Objectionable Exhibits and Displays**

A. The management reserves the right to remove from the grounds any exhibit, animal, concession or show that may be falsely entered, or may have a sign, banner or advertising matter which may be deemed unsuitable or objectionable by them removed without assigning a reason therefore and if necessary return any money already paid for space or stalls, which will exonerate them from any claim on part of an exhibitor.

## **Rule 6 - Commercial Exhibits**

A. No person or persons will be permitted to distribute advertising matter on the fairgrounds except from their place of business or exhibit space. The tacking or posting of other advertisements, bills or cards, other than

within the space occupied by the exhibit is strictly prohibited. The distribution of hand bills, fliers and heralds will not be permitted under any circumstances. Anyone violating this rule is liable to a fine or expulsion from the fairgrounds. Begging, soliciting, and unauthorized signing or public speaking is positively prohibited.

B. No claim for injury to any person or property shall be asserted nor suit instituted against the Fairboards on behalf of any person, firm or corporation having a license to exhibit on the grounds.

C. If any damage, loss, or injury of property shall be caused by reason of neglect of willful act of any person, firm, or corporation having license privilege to exhibition fair grounds, the Fairboards shall not be responsible therefore, and in case it be subjected to any expense or liability, all persons causing same shall identify the association.

D. The sale of alcohol and games of chance are strictly forbidden.

E. Any official of the Fair boards will have access to the premises of any exhibitor or concessionaire at any or all times.

### **Rule 7 - Copyright Laws**

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

### **Rule 8 - Premiums and Awards**

A. No animal or article deemed unworthy will be awarded a premium. In case there is no competition by another exhibitor, only one prize may be awarded and this will be determined by the judge on merit and over his signature. No exhibitor will be paid more than two money prizes in the individual classes.

B. Premiums will be paid out by placing: **BLUE, RED, WHITE**. Champions will receive Purple Ribbons and Reserve Champions a Pink Ribbon.

## **Rule 9 - Accessibility Information**

A. 4-H Youth Development and K-State Research and Extension are committed to making their services, activities, and programs accessible to all participants. If you have special requirements because of physical, mental, learning, vision, hearing or other impairment, please contact the Frontier Extension District office.

## **Explanation of Ribbon System**

### **All 4-H, FFA & Boy Scouts Departments are judged on DANISH System**

- A. All exhibits receive a ribbon and are judged in comparison with an ideal standard, not each other.
- B. Exhibits are placed in 4 ribbon groups. **PURPLE**-outstanding on all standards. **BLUE**-exceeds the minimum standard, may have minor flaws where improvement can be made. **RED**-meets all minimum standards, may be visible signs of needed improvements. **WHITE**- fails to meet minimum standards.

### **All Open Class Departments are judged on the AMERICAN System.**

- A. Not all exhibits may receive a ribbon.
- B. Exhibits are ranked 1-2-3, etc. with a different colored ribbon for each placing and are compared to each other. Exhibits not receiving a colored ribbon placing may receive a participant ribbon.

## **Herdsmanship Award**

### **Beef, Dairy, Goats, Poultry, Rabbits, Sheep & Swine Sponsored by: Osage County Farm Bureau Association**

The Osage County Farm Bureau Association would like to present a \$25.00 check to a 4-H Livestock participant at each fair.

We would like each livestock superintendent to pick someone from their respective area (Beef, Dairy, Goats, Poultry, Rabbits, Sheep and Swine). To be eligible for the herdsmanship award, exhibitors are required to take care of their animals and exhibit humane treatment for all livestock and pets as well as keep their stall locations clean. Once all superintendents have picked a representative from their area, they need to write the 4-H'ers name down on a piece of paper and give it to the Fair's General Livestock Superintendent. Once all entries have been collected, the General Livestock Superintendent would put all of the names in a hat and draw one of them out to receive the check for that fair. It is felt that this is the fairest way to give all livestock entries the same chance of receiving the check at each of the County Fairs.

## 4-H LIVESTOCK SALE

**Osage City: Amanda Croucher**

**Overbrook: Melissa Cannon and Darby Kneisler**

### **1. MARKET LIVESTOCK NOT MEETING MINIMUM WEIGHT ARE NOT ELIGIBLE FOR THE GRAND DRIVE.**

2. **Osage City Only:** There will be a floor price put on all livestock to be sold.
3. There will be no weight limits to show in the fair.
4. The weight of steers must be 1,000 pounds to sell in the sale. **The steers will have a 3% shrink.**
5. There will be no shrink in Hogs, Sheep or Goats.
6. The weight of hogs must be 230 pounds to sell in the sale.
7. The weight of lambs must be 90 pounds to sell in the sale.
8. The weight of goats must be 50 pounds to sell in the sale.
9. Market animals will not be allowed to re-weigh once they have checked in and been weighed.
10. The sale committee has the final decision of any questions that may be brought before them.
11. In order to be eligible to sell you must have shown your animal and be present to sell.
12. Only one animal per exhibitor may be sold at the sale.
13. **OSAGE CITY ONLY:** The Grand Champion and Reserve Grand Champion Market Animals are encouraged to, but not required to sell at the Livestock Sale. The exhibitor may choose to sell another animal which was exhibited in a market class and meets market weight requirements. That animal will be sold according to its placing in the class. (Limit of 1 animal may be sold.) If a 4-H exhibitor has 2 or more Grand Champions and/or Reserve Grand Champions, in any combination the 4-Her has the choice of which 2 animals to sell. (Limit of 2 Champion/Reserve animals may be sold.)

**OVERBROOK ONLY: NEW FOR 2024-**Premium only auction. Animals will not have floor buyers provided by the fair board. Only ONE animal is allowed to sell during the auction. Champions will sell first, followed by the rest of the species in place order. Animals are allowed to be shown after sale.

14. All animals must have slaughter weight, conformation, quality and finish to sell in the 4-H Livestock sale. Sale manager's decision is final.

## 4-H and Open General Livestock Rules

Osage City: Amanda Croucher

Overbrook: Melissa Cannon and Darby Kneisler

1. No exhibitor may show more than two animals in any one class.
2. Exhibitors are required to provide their own bedding and clean their stall at the close of the fair.

Market Division	Gender	Date of ownership	Family Nomination	USDA Scrapie Tag
Market Beef	Steer or Heifer	April 1	X	
Marking Swine	Barrow or Gilt	May 15	X	
Market Sheep	Wethers or Ewe	May 15	X	X
Market Goat	Wethers or Does	May 15	X	X
Breeding Beef	Heifers	May 15	X	
Breeding Swine	Gilt	May 15	X	
Breeding Sheep	Ewes	May 15	X	X
Breeding Goat	Does	May 15	X	X
Dairy (Goat and Cattle)	Heifers, Does or Cows	May 15	X	X (goats only)

### 3. TAGGING INFORMATION and REQUIREMENTS

BREEDING LIVESTOCK: TO SHOW IN A BREED CLASS THE FEMALE DOES NOT NEED TO BE REGISTERED. ALL BREEDING LIVESTOCK MUST BE TAGGED BY THE ABOVE DATES!!!!

*TAGGING DEADLINES FOR STATE SHOWS WILL REMAIN THE SAME AS IN THE PAST, AS DICTATED BY THE STATE 4-H DEPARTMENT.*

EAR-TAG IDENTIFICATION: ALL MARKET ANIMALS AND BREEDING ANIMALS (BEEF, SWINE, GOAT, SHEEP) MUST BE PROPERLY IDENTIFIED WITH THE KANSAS 4-H EAR TAG BY DATES SHOWN ABOVE. NO RETAGGING WILL BE DONE AT THE FAIRS. IT IS THE RESPONSIBILITY OF THE 4-H MEMBER TO HAVE LOST EAR TAGS REPLACED PRIOR TO THE FAIR.

ALL MARKET AND BREEDING SHEEP AND GOATS MUST BE IDENTIFIED WITH AN OFFICIAL USDA PREMISE SCRAPIE ID TAG.

DAIRY ANIMALS (CATTLE AND GOATS) NO LONGER NEED TO BE TAGGED TO SHOW. DAIRY GOATS STILL NEED TO HAVE A USDA SCRAPIE TAG.

See more details under each species information

4. In all breeding and market species, each animal must be identified with an approved 4-H/FFA ear tag, by breed, and in a single exhibitor's name.

5. BREED SIZE: Three (3) head of any breed shall constitute a division. However, the superintendent has the discretion to allow a division of less than 3 head of a breed. Any breed with less than the number to constitute a breed division as determined by the superintendent will be shown in the All Other Breeds (AOB) division. If there are less than three (3) head in the AOB division, the superintendent will decide whether to show the animals as an AOB division or enter them in the Crossbred division.

6. GROOMING:

**Osage City Only:** Each exhibitor must groom his or her own animal and may use only the assistance of an immediate family member or of another 4-H or FFA member who is an exhibitor at the show.

**Overbrook Only:** Each exhibitor must groom his or her own animal and may use only the assistance of an immediate family member (mother, father, legal guardian, brother or sister), another 4-H or FFA member who is an exhibitor at the show, or a 4-H/FFA project leader.

7. SHOWING OF ANIMALS: Exhibitors must accompany their animals, care for them and be present to exhibit their entries. If an exhibitor has two animals in the same class another exhibitor may assist by showing that animal.

8. Exhibitors must show their own animals unless at school or have an uncontrollable absence. Summer sports and vacations are not considered uncontrollable absences.

**9. Animals previously sold at county, state or regional shows are not eligible for entry in this show.**

10. If youth are members of both 4-H and FFA, each individual animal must be declared as either a 4-H or FFA project and be entered and shown that way. Youth can have a 4-H livestock project and an FFA livestock project they just can't use the same animal for both 4-H and FFA. Also, these youth's projects (combined 4-H and FFA) will be limited to two head per class, purebred.

11. Handling of animals: All animals will be handled in a humane manner in accordance with accepted animal husbandry practices.

12. Out of county 4-H and FFA livestock projects will be shown in open class and not be allowed to sell.

13. While in the show ring, exhibitors are **NOT ALLOWED** to wear clothing with any livestock or breeder advertisement. **Attire must be appropriate for showing livestock.**

14. SHOWMANSHIP: Livestock used for showmanship must be owned and tagged in the 4-H/FFA exhibitors name by the stated tagging deadline.

15. OFFICIAL ANNOUNCEMENTS AT SHOW: Sometimes it is necessary to make a change in the Show which involves a rule change. In such cases, official announcements will be made. These announcements take precedence over written policy or procedures.

16. EMERGENCIES WHICH MAY AFFECT ARRIVAL TIME AT THE SHOW: In the event of an

emergency which could make entries late, the exhibitor or parent must call the Fair Livestock Superintendent and get clearance for a late check-in.

17. PEN OF THREE (OVERBROOK ONLY): Pen of Three is classified as three livestock exhibits from the same 4-H Club. It can be made from market or breeding livestock and shall be from at least two different exhibitors in the same 4-H Club.

18. WITHDRAWAL TIMES FOR DRUGS, GROWTH PROMOTANTS, AND OTHER APPROVED MATERIALS: Exhibitors, their parents, leaders and instructors have a serious responsibility to use animal health products, growth promotants and any other approved materials with great care, only when needed and in correct amounts. Approved withdrawal times are set and must be followed to assure that meat consumers receive wholesome food. A **Drug Withdrawal Certificate (available at check-in time at the fair)** will be provided and must be completed at check in. Market livestock will not be allowed to show or sell without a completed certificate signed by the exhibitor and parent or guardian. The withdrawal date for medications and legal drugs will be the date of animal check- in. If any analysis shows the presence of any amount of a diuretic, unapproved or illegal drug, or a legal medication not meeting the withdrawal time as of the animal check-in date of the show, the exhibitor of the animal will forfeit all prizes and premiums. The Fair Association shall be entitled to disqualify an exhibitor whose animal tests positive for any drug even if the exhibitor and the exhibitor's parents or guardians are innocent of any wrongdoing and did not administer the drug. The analysis of the testing laboratory shall be final and conclusive without recourse against the Fair Association or any officer, or employee thereof, or any laboratory. The exhibitor waives any right of action which he/she might have for any action taken under this rule, and releases the Fair association and the laboratory from any and all claims or demands whatsoever in connection with the inspection or testing of any such animal or ruling or action taken by reason of the conclusion of such testing laboratory. As breeding animals are not entering the food chain, the USDA Wholesome Meat Act does not apply.

19. NO PREMIUM PAID ON CONDEMNED CARCASS: The Executive Committee (for the Show) will allow NO PREMIUM TO BE PAID to any exhibitor of a market animal whose carcass is condemned by an official inspector because of any unethical practice such as giving by mouth or injection of any prohibited medication or the physical alteration of such carcass. The exhibitor will forfeit all auction proceeds and receive no money from the condemned carcass. The class placing will not change.

**20. Open Class exhibitors must own their own livestock and it may not be shown in any 4-H class.**

21. Any livestock entered in the fair may be used in the Livestock Judging Contest while the animal is at the fair.

22. No intact male livestock will be allowed on fair grounds except for poultry and rabbits.

### **Health Requirements**

1. No health papers will be required.

2. A local veterinarian will be present to inspect all animals to see that there is no evidence of contagious or infectious disease.

3. Animals will be inspected at the time of unloading or shortly thereafter. **Sheep and Goats cannot unload**



**until they have been inspected by the vet.**

4. Animals showing signs or symptoms of contagious diseases like active lesions of ring worm, sore mouth, multiple warts visible without examination, or infected with mange, will not be permitted to exhibit.

5. Any oral or injected medication must be given in the presence of a Veterinarian or Departmental Livestock Superintendent.

### **BEEF DIVISION**

**Osage City: Josie Bosse**

**Junior: Grace Croucher and Kaiden Bosse**

**Overbrook: Caleb McNally**

**Junior: Ethan Kneisler**

(Breed abbreviation must be part of class number)

A=Angus, H=Hereford, SH=Shorthorn, L=Limousin, SM=Simmental, G=Gelbvieh, MA=Maine Anjou, CA=Chianina, AOB=All other breeds, COM=Commercial, CH=Charolais

### **BEEF HEIFERS (4-H & FFA)**

All breeding heifers must have been tagged on or before May 15 of the current year, and have been identified by official 4-H/FFA beef ear tag and breed.

- Class 1000 Junior Heifer Calves, calved after Jan. 1, current year.
- Class 1001 Senior Heifer Calves, calved Sept.1-Dec. 31, previous year.
- Class 1002 Summer Yearling Heifers, calved May 1-Aug. 31, previous year.
- Class 1003 Junior Yearling Heifers, calved Jan 1-April 30, previous year.
- Class 1004 Senior Yearling Heifers (born September 1 to December 31, 2 years previous)
- Class 1005 Cow/Calf Pairs

### **BEEF SHOWMANSHIP (4-H & FFA)**

- Class 1050 Senior Showmanship, Age 14 & up
- Class 1051 Intermediate Showmanship, Age 11 to 13
- Class 1052 Junior Showmanship, Age 7 to 10

### **MARKET BEEF – STEERS OR HEIFERS (4-H & FFA)**

All market beef must have been tagged and identified by an official electronic 4-H/FFA ear tag number and breed by the May 1 deadline.

1. Classes will be divided by weight if the number justifies. Decision will be made by Beef Superintendent.
2. Market heifers will be shown by weight and will be shown in the Grand Drive along with the steer breed champions. A Grand and Reserve Grand Market animal will be selected from the steer breed champions/reserve and market heifer class champions/reserves.
3. Market Steers will be shown by breed or as AOB if not a crossbreed.

4. Must weigh 1000 pounds to sell.

Class 1080 Market Beef

Class 1081 Club Pen of Three (Overbrook only)

### **OPEN CLASS BREEDING BEEF**

(See breeds previously listed in 4-H classes)

Class 1092 Heifer Calf, Junior or Senior

Class 1093 Heifer, 1 year old & under 3 years old

Class 1094 Cow, 3 years & older

Class 1095 Open Adult Showmanship

Class 1096 Market, follow same breeds and rules as 4-H

Champion and Reserve Champion ribbons will be awarded if quality warrants.

### **Dairy Division**

**Osage City: Josie Bosse Junior: Grace Croucher and Kaiden Bosse**

**Overbrook: Caleb McNally Junior: Ethan Kneisler**

(Breed abbreviations must be part of the class number)

HO=Holstein, JE=Jersey, BS=Brown Swiss, MS=Milking Shorthorn, AS= Ayrshire, AOB= All Other Breeds

### **DAIRY HEIFERS (4-H & FFA)**

All dairy heifers must have been tagged on or before May 15 of the current year, and have been identified by official 4-H/FFA beef ear tag and by breed.

Class 1101 Junior Calf, born March 1 to May 15, current year

Class 1102 Intermediate Calf, born December 1, previous year, to February 28, current year

Class 1103 Senior Calf, born September 1 to November 30, previous year

Class 1104 Summer Yearling Heifer, born June 1 to August 31, previous year

Class 1105 Junior Yearling Heifer, born March 1 to May 31, previous year

Class 1106 Winter Yearling Heifer, born December 1, two years previous to February 28, previous year

Class 1107 Senior Yearling Heifer, born September 1 to November 30, two years previous

Class 1108 Dry Cow, any age

Class 1109 Cow in production, any age

## DAIRY SHOWMANSHIP (4-H & FFA)

Class 1120 Senior Showmanship, 4-H/FFA Age 13 & up

Class 1121 Junior Showmanship, 4-H/FFA Age 7 - 12

### OPEN CLASS DAIRY

(Follow the same breeds and ages of the 4-H classes.) No showmanship.

### 4-H/OPEN CLASS BUCKET CALF DIVISION

**Osage City: Josie Bosse Junior: Grace Croucher and Kaiden Bosse**

**Overbrook: Caleb McNally Junior: Ethan Kneisler**

1. A bucket calf is defined as an orphan or newborn calf, male or female dairy, beef or cross, fed on bucket or bottle.
2. There will be one age class for calves, January 1 to May 1, of current year.
3. Conference judging will be held. The judging will be as follows:
  1. 50% on the child's knowledge.
  2. 50% on health, cleanliness and general appearance of the calf (hair, coat, etc.)
4. All male bucket calves must be castrated.
5. Youth **CAN NOT SHOW** in both 4-H and Open Class.
6. Youth must own their own bucket calf - one calf per year per 4-Her.

Class 1250 Junior Bucket Calf: 4-H'ers age 9 years

Class 1251 Senior Bucket Calf: 4-H'ers age 10-12 years

Class 1252 Bucket Calf-Open Class; 12 years old & younger and non-4-Her

Class 1253 2<sup>nd</sup> year Bucket Calf

### SHEEP DIVISION

**Osage City: Pam Whitmer and Collene Stucky Junior: Kevin Whitmer and Ruby Stucky**

**Overbrook: Melissa Cannon Junior: Chloe Cannon**

(Breed abbreviations must be part of the class number)

DO=Dorset, HA=Hampshire, SU=Suffolk, CR=Crossbreeds, AOB=All Other Breeds

1. All sheep will be slick shorn prior to arrival at the fair.
2. The fair management will provide trained personnel (local veterinarian) to determine presence or absence of fungal lesions.
3. Any and all sheep with evidence of fungal lesions shall be taken home, isolated from other animals and restricted to that farm of origin until all lesions are healed. Non-lesioned sheep transported on the same vehicle

with infected animals shall be denied entrance to the fair.

**4. During the judges' inspection or handling, all four feet of the animals are to be in contact with the ground.**

**5. All sheep must be identified with an official USDA scrapie premise ID tag.**

#### **BREEDING SHEEP (4-H & FFA)**

All breeding ewes must have been tagged on or before May 15 of the current year, and have been identified by official 4-H/FFA sheep ear tag and by breed.

Class 1300 Ewe Lambs, under one year old

Class 1301 Yearling Ewes, one year old and older

Class 1302 Aged Ewes, 2 years old and older

Class 1303 Ram Lambs, under one year

#### **SHEEP SHOWMANSHIP (4-H & FFA)**

Class 1325 Senior Showmanship, Age 14 & up

Class 1326 Intermediate Showmanship, Age 11-13

Class 1327 Junior Showmanship, Age 7-10

#### **MARKET LAMB (4-H & FFA)**

1. All fat lambs must weigh a minimum of 90 pounds to sell.

2. Market lambs can be wethers or ewes. Ewe's cannot be shown in both breeding and market classes. All market lambs must have been tagged and identified by an official electronic 4-H/FFA sheep ear tag number and breed by the May 15 deadline.

Class 1330 Market Lambs

Class 1331 Club Pen of Three (Overbrook only)

#### **OPEN CLASS BREEDING SHEEP**

(See breeds previously listed in 4-H classes)

Class 1342 Ewe Lamb, under one year old

Class 1343 Yearling Ewe, Over 1 year old

Class 1344 Aged Ewe, 2 years old and over

Class 1345 Open Adult Showmanship

Class 1346 Open Markey, born after January 1<sup>st</sup> of current year

Champion and Reserve Champion ram and ewe ribbons will be awarded if quality warrants.

## SWINE DIVISION

**Osage City: Chris Croucher      Junior: Jaiton Bosse, Tyler Williams**

**Overbrook: Matt & Mitch Corwine      Juinor: Gage Kilgore**

(Breed abbreviations must be part of the class number)

CW=Chester White, DU=Duroc, HA=Hampshire, PC=Poland China, SP=Spot, YK=York, AOB=All Other Breeds, CR=Crossbreed

### BREEDING SWINE (4-H & FFA)

All breeding gilts must have been tagged on or before May 15 of the current year, and have been identified by official 4-H/FFA swine ear tag and breed. Breed classes will be offered and will be broken by age if numbers warrant it.

Class 1400      Farrowed, January 1 - January 31 - current year

Class 1401      Farrowed, February 1 - February 28 - current year

Class 1402      Farrowed, March 1 - March 31 - current year

### SWINE SHOWMANSHIP (4-H & FFA)

Class 1425      Senior Showmanship, Age 14 & over

Class 1426      Intermediate Showmanship, Age 11-13

Class 1427      Junior Showmanship, Age 7-10

### MARKET HOGS (4-H & FFA)

1. Each animal must weigh a minimum of 230 pounds to sell.
2. Market hogs must be gilts or barrows. Gilts cannot be shown in both breeding and market classes.
3. Barrows must be physically castrated.

All market hogs must have been tagged and identified by an official electronic 4-H/FFA swine ear tag number and breed by the May 15 deadline.

Class 1430      Market Hogs

Class 1431      Club Pen of Three (Overbrook only)

### OPEN CLASS SWINE

(See breed classes listed previously in 4-H classes)

Class 1434      Jan. and Feb. Gilt of current year

Class 1435      March Gilt of current year

Class 1436      Open Adult Showmanship; **ribbons will be awarded for Class 1436**

Class 1437      Open Market - born after January 1, current year

Champion and Reserve Champion ribbons will be awarded for gilt in each class if quality warrants.

## DAIRY GOAT DIVISION

**Osage City: Pam Whitmer and Collene Stucky    Junior: Allie Kneisler**

**Overbrook: Tim Kilgore                      Junior: Allie Kneisler**

1. Entries will be placed in classes by age with the day of judging being the base date.
2. Each exhibitor is limited to two dairy goats per class and six head total.
3. Only does are allowed to show.
4. Exhibitors are requested to be appropriately dressed (preferably in white) when showing animals.
5. Meat goats cannot be shown in dairy goat classes.
6. **All goats must be identified with an official USDA premise ID tag (scrapie tag).** Goats will be inspected for clinical signs of disease.

### DAIRY GOAT SHOWMANSHIP (4-H & FFA)

- Class 1500    Senior Showmanship, Age 14 & over  
Class 1501    Intermediate Showmanship, Age 11 to 13  
Class 1502    Junior Showmanship, Age 7-10

### DAIRY GOATS (4-H & FFA)

**Osage City: Pam Whitmer and Collene Stucky    Junior: Allie Kneisler**

**Overbrook: Tim Kilgore                      Junior: Allie Kneisler**

Dairy goat breeds: Alpine, La Mancha, Nubian, Oberhasli, Saanen, Toggenburg, and all other breeds.

- Class 1510    Junior Doe, birth date to April 1 of current year  
Class 1511    Junior Doe, birth date from March 1 to March 31  
Class 1512    Junior Doe, birth date from September 16, 2 years previous to September 16 previous year (dry yearling)  
Class 1513    Senior Doe, 2 years and under in milk or previously freshened  
Class 1514    Senior Doe, 3 years in milk or previously freshened  
Class 1515    Senior Doe, 4 years in milk or previously freshened  
Class 1516    Senior Doe, 5 years in milk or previously freshened

### OPEN CLASS DAIRY GOATS

(Follow the same breeds and ages of the 4-H classes.) No showmanship.

## MEAT GOATS

**Osage City: Pam Whitmer and Collene Stucky    Junior: Allie Kneisler**

**Overbrook: Tim Kilgore**

**Junior: Allie Kneisler**

Market Goats are eligible for the Premium Sale. Meat goats are goats bred for meat purposes. Does or wethers of any breed will be judged on merits for meat purposes.

1. Market goats will be weighed with the sheep. Meat goats must weigh 50 pounds to be eligible for Grand and Reserve Grand and to sell in the premium sale. There will be an underweight class, but those animals are not eligible for Grand Champion, nor will they make the sale.
2. Market meat goats must be meat-type goats (Boer, Spanish, Myotonic, Pygmy, Kiko, San Clemente, Dairy Breeds wethers only, or a cross with one of these breed types).
3. Goats must have milk teeth in place at the time of the fair weigh-in. Market goats must be less than one year of age.
4. All goats are required to have horns tipped (not less than the diameter of a dime at the end). No sharp points allowed. No tipping of the horns on the fairgrounds. (Dehorning prior to the fair is acceptable).
5. Goats shall be exhibited with a clean hair coat. Animals may be shown with the natural hair coat or sheared with no clipper marks present. Hooves should be clean and properly trimmed.
6. **All goats must be identified with an official USDA premise ID tag (scrapie tag).** Goats will be inspected for clinical signs of disease.
7. 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. Medium/3mm or smaller pinch collars will be allowed. Exhibitors can only briefly touch their animal with their hands to position legs or head.
8. Meat goats shown in meat classes, cannot be shown in dairy classes and vice versa. Also, a doe shown in the market meat goat class cannot be shown in the breeding meat goat classes.
9. Identification: All market meat goats must be tagged on or before May 15 of the current year with an official 4-H/FFA goat EID tag in the exhibitors name.
10. Meat goats will be judged by weight classes only.

### MEAT GOATS (4-H & FFA)

All market meat goats must have been tagged and identified by an official electronic 4- H/FFA goat ear tag number and breed by the May 15 deadline.

Class 1520    Meat Goat under 50 pounds

Class 1521    Meat Goat 50 pounds or heavier

## **MEAT GOAT SHOWMANSHIP (4-H & FFA)**

- Class 1530 Senior Showmanship, Ages 14 & Over  
Class 1531 Intermediate Showmanship, Ages 11-13  
Class 1532 Junior Showmanship, Ages 7-10

### **BREEDING MEAT GOATS**

Breeding meat goats must be meat-type goats Boer (B), Spanish (SP), Myotonic (MY), Pygmy (P), Kiko (K), San Clemente (SC), Crossbreed (CR), Nigerian Dwarf (ND), or AOB

1. All goats are required to have horns tipped (not less than the diameter of a dime at the end). No sharp points allowed. No tipping of the horns on the fairgrounds. (Dehorning prior to the fair is acceptable).
2. Goats shall be exhibited with a clean hair coat. Animals may be shown with the natural hair coat or sheared with no clipper marks present. Hooves should be clean and properly trimmed.
3. **All goats must be identified with an official USDA premise ID tag (scrapie tag).** Goats will be inspected for clinical signs of disease.
4. Meat goats are to be shown with a collar, lead, chain, halter or hand under the jaw.
5. Exhibitors will not lift front legs of the goat off the ground during examination by the judge.
6. Meat goats shown in meat classes, cannot be shown in dairy classes and vice versa. Also, a doe shown in the market meat goat class cannot be shown in the breeding meat goat classes.
7. No billys (intact males) allowed on the fair grounds.
8. No more than two breeding goats per class, per breed can be shown by a 4-Her.
9. Breeding meat goats will be shown by breed and by age.

### **BREEDING MEAT GOATS (4-H & FFA)**

All breeding meat goat females must have been tagged on or before May 15 of the current year, and have been identified by official 4-H/FFA goat ear tag and breed.

- Class 1540 Doe Kids – 4 to 6 months  
Class 1541 Doe Kids – 7 to 9 months  
Class 1542 Doe Kids – 10 to 12 months  
Class 1543 Yearling Does – 12 to 24 months  
Class 1544 Two year old Does – 24 to 36 months  
Class 1545 Aged Does – over 36 months

### **OPEN CLASS BREEDING AND MARKET MEAT GOATS**

(Follow the same breeds and ages of the 4-H classes.)



## **POULTRY DIVISION**

**Osage City: Patrick & Jessica Newman**

**Junior: Kevin Whitmer, Claire Newman and Mason Newman**

**Overbrook: Hope Koger & Dusty Rolla**

1. We are currently on a 5-year PT testing rotation, and 2024 is our year to test. All poultry, except for pigeons and water fowl, are required to have a clean PT Test within 90 days of the show. For more information about the blood testing requirements, consult “*Information about Disease Testing Requirements for Poultry and Gamebirds in Kansas*” by Scott Beyer, available from the Extension Office.
2. Each member may exhibit one pen per breed per class or two single entries per breed per class, with a maximum of 12 birds total. It is required that poultry be banded to insure proper identification.
3. Judging of classes will be done primarily on the basis of exhibition qualities as described in “The American Standard of Perfection”

### **POULTRY (4-H & FFA)**

- Class 1600 Standard Breeds - Large Fowl - Young -1 bird of either sex
- Class 1601 Standard Breeds - Large Fowl - Old - 1 bird of either sex
- Class 1602 Standard Breeds - Bantams - Young - 1 bird of either sex
- Class 1603 Standard Breeds - Bantams – Old - 1 bird of either sex
- Class 1604 Production Pullets - Pen, 3 Standard bred, Cross or Strain cross pullets to be judged on egg production qualities
- Class 1605 Production Hens - Pen, 3 Standard bred, Cross or Strain cross pullets to be judged on egg production qualities
- Class 1606 Dual Purpose Pullets - Pen of 3, such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
- Class 1607 Dual Purpose Hens - Pen of 3, such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
- Class 1608 Meat-type Chickens, Pen of 3 Standardbred, Crossbred or Strain cross birds of the same sex to be judged on meat production qualities only.
- Class 1609 Turkeys, all breeds - 1 bird of either sex
- Class 1610 Ducks, Call or Bantam all breeds - 1 bird of either sex
- Class 1611 Geese, all breeds - 1 bird of either sex
- Class 1612 Pigeons- 1 bird of either sex

## POULTRY SHOWMANSHIP (4-H & FFA)

Class 1615 Senior Showmanship, Ages 13 & Over

Class 1616 Junior Showmanship, Ages 7-12

### OPEN CLASS POULTRY

**Birds showing signs and symptoms of disease will not be allowed to show/exhibit on the premises.**

Birds classed as follows: Cock - Male, 1 year or over, Cockerel - male, under 1 year old Hen - Female, 1 year or over, Pullet - Female, under 1 year old.

#### **IF POSSIBLE BRING YOUR OWN CAGE.**

Class 1620 Standard Breeds - Large Fowl - Young - 1 bird either sex

Class 1621 Standard Breeds - Large Fowl - Old - 1 bird of either sex

Class 1622 Standard Breeds - Bantams - Young - 1 bird either sex

Class 1623 Standard Breeds - Bantams - Old - 1 bird either sex

Class 1624 Production Pullets - Pen, 3 Standardbred, Crossbred or Strain cross to be judged on egg production qualities.

Class 1625 Production Hens - Pen, 3 Standardbred, Crossbred or Strain cross to be judged on egg production qualities.

Class 1626 Dual Purpose Pullets; Pen of 3. Such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.

Class 1627 Dual Purpose Hens; Pen of 3. Such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.

Class 1628 Geese 1 bird either sex

Class 1629 Guineas 1 bird either sex

Class 1630 Duck 1 bird either sex

Class 1631 Turkey 1 bird either sex

Class 1632 All other fowl

## RABBIT DIVISION

**Osage City: Patrick & Jessica Newman**

**Junior: Claire Newman and Mason Newman**

**Overbrook: Hope Koger & Dusty Rolla**

1. Only those rabbits receiving a blue ribbon or better in a county show may be entered in the State Fair. A different animal than the one exhibited at the county fair may be shown at the State Fair; provided the quality is equal to the one exhibited at the County level; it has been carried in the same project phase; and is the same breed, variety and class. Any rabbit shown must have been owned by the 4-H'er by June 15 of the current year.
2. **4-Her's can NOT take rabbits to or from the judging table at the State Fair.**
3. Each rabbit must be legibly and permanently tattooed in its left ear for identification. Tattoo is required for State Fair also.
4. Each exhibitor may bring NO more than 18 different rabbits. However, only two entries per class, per variety, per breed may be shown. This does NOT include meat pen.
5. There will be no cross-breed classes.
6. All rabbits will be divided into classes by ages and judged according to their breed standard as listed in the American Rabbit Breeders Association (ARBA) "Standard of Perfection." Only breeds recognized by ARBA may be shown.
7. 4-Hers must be present to show their rabbit.
8. Rabbits shown in 4-H cannot be shown in Open Class and Open Class cannot be shown in 4-H.
  - A. **Pre-Junior** - (Under 3 months) classes only in the following breeds: Beveren, Californian, Champagne D'Argent, Checkered Giant, Argent Brun, American Chinchilla, Giant Chinchilla, Cinnamon, Creme D' Argent, Blanc de Hotot, New Zealand, and Palomino.
  - B. **Juniors** - (Under 6 months) .
  - C. **Intermediate** - (6-8 months) classes only in the following breeds: American, Argent Brun, Giant Angora, Beveren, Californian, Champagne D'Argent, Flemish Giant, Blanc de Hotot, English Lop, French Lop, New Zealand, Palomino, Satin, Silver Fox, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, and Creme D'Argent.
  - D. **Senior** - Six months of age or over for all breeds other than those listed having Intermediate classes. Eight months of age or over for breeds having Intermediate classes.

### RABBITS (4-H & FFA)

Class 1700 Senior Buck. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.

Class 1701 Senior Doe. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.

Class 1702 Intermediate Buck. Only breeds listed above with intermediate classes.

Class 1703 Intermediate Doe Only breeds listed above with intermediate classes.

Class 1704 Junior Buck. Under six months of age.

Class 1705 Junior Doe. Under six months of age.

Class 1706 Pre-Junior Buck. Only breeds listed above with pre-juniors.

Class 1707 Pre-Junior Doe. Only breeds listed above with pre-juniors.

(1700 - 1707). You may enter 2 rabbits per each fur class. **Ribbons only, no premium for fur classes.**)

Class 1708 Fur Classes: Fur entries must be made from rabbits that are entered in the regular breed classed

Class 1709 Meat Pen: 3 rabbits, all one recognized breed and variety, (broken varieties must be same color) minimum weight 3 1/2 pounds each, maximum weight 5 1/2 pounds each. Will be judged on their meat qualities, condition, uniformity, and fur. No rabbit used for meat pen class will be used for other classes. Meat pen rabbits cannot be over 70 days of age.

Class 1710 Junior Showmanship, Age 7-10

Class 1711 Intermediate Showmanship, 11-13

Class 1712 Senior Showmanship, 14 and over

### OPEN CLASS RABBITS

A. Any rabbit showing signs and symptoms of disease will not be allowed to show.

B. Each rabbit must be legibly and permanently tattooed in its left ear for identification.

C. No more than 2 entries in each class per variety, per breed.

Class 1720 Senior Buck. Eight months of age and over for breeds with intermediate classes; six months and over for all other breeds.

Class 1721 Senior Doe. Eight months of age and over for breeds with intermediate classes; six months and over for all other breeds.

Class 1722 Intermediate Buck. Only breeds listed above with intermediate classes.

Class 1723 Intermediate Doe. Only breeds listed above with intermediate classes.

Class 1724 Junior Buck. Under six months of age.

Class 1725 Junior Doe. Under six months of age.

Class 1726 Pre-Junior Buck. Only breeds listed with pre-juniors.

Class 1727 Pre-Junior Doe. Only breeds listed with pre-juniors.

Class 1728 Meat Pen: 3 rabbits, all one recognized breed and variety, minimum weight 3 pounds each, maximum weight 5 pounds each. Will be judged on their meat qualities, condition, and uniformity. No rabbit used for meat pen class will be used for other classes. Meat pen rabbits cannot be over 70 days of age.

## **4-H HORSE SHOW**

**Osage City Dorothy Christason Junior: Katie Lowry & Karley Lowry**

**Overbrook : Carolyn Lowry**

**\*\*\*Pre-Entry form on next pages\*\*\* Must be turned in by due date. NO EXCEPTIONS**

**Osage City due by June 15th using online Fair Entry system.**

**Overbrook due to Carolyn Lowry (785-224-9192) by August 1<sup>st</sup>.**

1. 4-H members must be enrolled in the 4-H Horse project to Exhibit in this division.
2. 4-H Dress Code will be required as outlined in the Kansas 4-H Horse Show Rule Book, S-133.
3. The Kansas 4-H Horse Show Rule Book S-133 will govern the show.
4. No stallions are permitted.
5. Only mares and geldings may be shown at halter and under saddle.
6. 4-H Horse ID papers will be checked for all horses at entry.
7. All Horses must have evidence of a negative equine infectious anemia test (Coggins) conducted within 12 months of the show. Must be form VS 10-11.
8. The use of protective headgear, in place of a hat, is the optional choice of the exhibitors in any and all Western classes, including judged, timed, and futurity classes.
9. Check-in times:  
Osage City: 8:30 a.m. with show at 9:00 a.m. July 16<sup>th</sup> (Held at Burns Skyview Ranch).  
Overbrook – 8:00 a.m. with show at 8:30 a.m. August 7<sup>th</sup> (Held at Overbrook Fairgrounds Arena; rainout location LQ Farms 5624 E 181<sup>st</sup> St, Overbrook, KS)

- 1901 Halter: 3 Years Old & Under– all Stock Types– Fillies and Colts
- 1902 Halter: 4 Years Old & Over– all Stock Types– Type Geldings
- 1903 Halter: 4 Years Old & Over Non– stock Type Geldings
- 1904 Halter: 4 Years Old & Over Stock Type Mares
- 1905 Halter: 4 Years Old & Over Non– Stock Type Mares
- 1906 Halter: Ponies and Miniature Horse– all ages, Mares and Geldings
- 1907 Showmanship Ages: 14-18
- 1908 Showmanship Ages: 10-13
- 1909 Showmanship Ages: 7-9
- 1910 In Hand Trail– all ages
- 1911 Trail Ages 14-18
- 1912 Trail Ages 10-13
- 1913 Trail Ages 7-9
- 1914 2 Years Old Snaffle Bit
- 1915 3 Years Old Snaffle Bit
- 1916 English Pleasure Ages 14-18
- 1917 English Pleasure Ages 10-13
- 1918 English Pleasure Ages 7-9
- 1919 English Equitation Ages 14-18
- 1920 English Equitation Ages 10-13
- 1921 English Equitation Ages 7-9
- 1922 Hunter Hack Ages 14-18
- 1923 Hunter Hack Ages 10-13
- 1924 Western Pleasure Walk-Jog Ages 14-18
- 1925 Western Pleasure Walk—Jog Ages 10-13
- 1926 Western Pleasure Walk-Jog Ages 7-9
- 1927 Western Pleasure Pony-all ages
- 1928 Western Pleasure Non-Stock-all ages
- 1929 Western Pleasure Stock Ages 7-9

- 1930 Western Pleasure Stock Ages 10-13
- 1931 Western Pleasure Stock Ages 14-18
- 1932 Horsemanship Ages 14-18
- 1933 Horsemanship Ages 10-13
- 1934 Horsemanship Ages 7-9
- 1935 Reining Ages 14-18
- 1936 Reining Ages 10-13
- 1937 Reining Ages 7-9
- 1938 Flag Race Ages 14-18
- 1939 Flag Race Ages 10-13
- 1940 Flag Race Ages 7-9
- 1941 Barrels Ages 14-18
- 1942 Barrels Ages 10-13
- 1943 Barrels Ages 7-9
- 1944 Poles Bending Ages 14-18
- 1945 Poles Bending Ages 10-13
- 1946 Poles Bending Ages 7-9

# Osage County Fair Horse Show Pre-entry Form

Exhibitor #

Check-in times for shows:

Osage City – July 20<sup>th</sup> Check in 8:30 a.m.; Show at 9:00 a.m.

(Held at Burns Skyview Ranch)

Overbrook – August 3<sup>rd</sup> 8:00 a.m. with show at 8:30 a.m.

(Held at LQ Farms)

**Osage City Horse Show Pre-entry is to be done on online Fair Entry system July 1-15<sup>th</sup>.**

**Horse Show Pre-Entry date is August 1<sup>st</sup> for Overbrook Fair.**

Name: Back #

Sex of horse: Age (as of Jan. 1):

To enter, check the line under the pre-entry dates for the class numbers you wish to enter.

8/3 Class #

	1901	Halter: 3 Years Old & Under– all Stock Types– Fillies and Colts
	1902	Halter: 4 Years Old & Over– all Stock Types– Type Geldings
	1903	Halter: 4 Years Old & Over Non– stock Type Geldings
	1904	Halter: 4 Years Old & Over Stock Type Mares
	1905	Halter: 4 Years Old & Over Non– Stock Type Mares
	1906	Halter: Ponies and Miniature Horse– all ages, Mares and Geldings
	1907	Showmanship Ages: 14-18
	1908	Showmanship Ages: 10-13
	1909	Showmanship Ages: 7-9
	1910	In Hand Trail– all ages
	1911	Trail Ages 14-18



1912	Trail Ages 10-13
1913	Trail Ages 7-9
1914	2 Years Old Snaffle Bit
1915	3 Years Old Snaffle Bit
1916	English Pleasure Ages 14-18
1917	English Pleasure Ages 10-13
1918	English Pleasure Ages 7-9
1919	English Equitation Ages 14-18
1920	English Equitation Ages 10-13
1921	English Equitation Ages 7-9
1922	Hunter Hack Ages 14-18
1923	Hunter Hack Ages 10-13
1924	Western Pleasure Walk-Jog Ages 14-18
1925	Western Pleasure Walk—Jog Ages 10-13
1926	Western Pleasure Walk-Jog Ages 7-9
1927	Western Pleasure Pony-all ages
1928	Western Pleasure Non-Stock-all ages
1929	Western Pleasure Stock Ages 7-9
1930	Western Pleasure Stock Ages 10-13
1931	Western Pleasure Stock Ages 14-18

1932	Horsemanship Ages 14-18
1933	Horsemanship Ages 10-13
1934	Horsemanship Ages 7-9
1935	Reining Ages 14-18
1936	Reining Ages 10-13
1937	Reining Ages 7-9
1938	Flag Race Ages 14-18
1939	Flag Race Ages 10-13
1940	Flag Race Ages 7-9
1941	Barrels Ages 14-18
1942	Barrels Ages 10-13
1943	Barrels Ages 7-9
1944	Poles Bending Ages 14-18
1945	Poles Bending Ages 10-13
1946	Poles Bending Ages 7-9

Pre Entries for Overbrook Fair may be made on this form and sent in by the earliest entry deadline.

Send Entries to:

Carolyn Lowry

[carolynmiles1@hotmail.com](mailto:carolynmiles1@hotmail.com)

(785) 224-9192

I, the undersigned, hereby release the Overbrook Fair Associations, Fair Committees, 4-H Horse Show Superintendents and all other parties from any and all responsibilities for injuries or damages sustained by my child \_\_\_\_\_, our livestock or property, occurring in conjunction with the 4-H Horse Show held in Osage City and Overbrook, Kansas on given show dates. I have read the rules and class descriptions on the preceding pages and will abide by these rules.

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

## 4-H DOG DIVISION

**Osage City: Rochelle Nelson**

**Junior: Lynnea Nelson**

**Overbrook: Rochelle Nelson**

**Junior: Lynnea Nelson**

### General Regulations

1. State 4-H Dog Show Immunization Record (MG-34 Revised, **October, 2017** accepted) must be completed on each dog entered at the 4-H Dog Show. The fully completed form must be presented on day of show to be eligible to compete. **Required vaccinations Include:** Bordatella, Distemper, Hepatitis, Parvovirus, Parainfluenza, and Rabies. The rabies vaccination must be administered by a licensed veterinarian. All vaccinations must be current. Dogs must be 6 months of age at time of show.
2. Any abuse of dogs on the grounds, or in the ring, will result in disqualification.
3. No dog in season will be allowed to show in showmanship or obedience.
4. Well-fitting collar of leather, chain, or fabric is to be used for Obedience and Rally Obedience; for Agility, a buckle or snap collar; for Showmanship, a show lead that serves as both collar and lead or a fine link chain collar, a “snake” chain or a fabric slip collar with a narrow, lightweight fabric or leather lead. No spiked, pinch, special training collars, and hanging objects from collars are allowed.
5. Baiting your dog will not be allowed.
6. A 4-H'er may enter only one dog per class.
7. Any dog fouling the ring will receive a white ribbon. Owners should collect all dog waste in plastic bags and put in trash.
8. The County Fair Dog Show will follow rules as listed in the published Kansas 4-H Dog Rule Books: Kansas 4-H Dog Show Rule Book(S-46 (Revised), April 2012; Kansas 4-H Agility Dog Show Rule Book, S-124 (Revised), March 2012; and Kansas 4-H Rally Obedience Rule Book, 4H965 (Revised), March 2012. Other guidelines used are: Kansas 4-H Dog Show Judge's Guidelines Showmanship/Obedience, S82 (Revised), January 2013 and Kansas 4-H Rally Obedience Dog, Show Judge's Guide, 4H1023, March 2013.
9. For time constraints, teams receiving a non-qualifying score may be excused from the ring at the show committee's discretion for long performance times (more than 5 minutes) AND repeated failures at obstacles.
10. Score sheets are available at [http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/dog/State\\_Fair\\_Dog\\_Show\\_Score\\_Sheets.pdf](http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/dog/State_Fair_Dog_Show_Score_Sheets.pdf) or through The Extension Office for showmanship and obedience.

### 4-H DOG SHOWMANSHIP

- Class 2000 Junior Showmanship, 7-11 years old
- Class 2001 Intermediate Showmanship, 12-14 years old
- Class 2002 Senior Showmanship, 15 and older

- I. Fitting the Dog, 30 points.

II. Showmanship of the Handler, 35 points

III. Coordination Between Handler and Dog, 35points

Grand total.....100 points

#### **4-H DOG OBEDIENCE**

Class 2010 Pre-Novice A-(beginners with first year dogs).

Heel on leash and figure 8, Stand for examination, Recall, Long sit (1 minute), Long down ( 3 minutes).

Class 2011 Pre-Novice B-(2nd yr member & older with first year dogs).

Heel on leash and figure 8, Stand for examination (on leash) Recall (on leash), Heel (on leash), Long sit (1 minute), Long down (3 minutes).

Class 2012 Pre-Novice C-(2nd yr member & older with more than 1st year dog).

Heel on leash and figure 8, Stand for examination (on leash), Recall (on leash), Recall (on leash), Long sit (1 minute), Long down (3 minutes).

Class 2013 Novice A-(1st yr Novice). First time in Novice.

Heel on leash and figure 8, Heel free, Stand for examination (off leash), Recall (off leash), Long sit (1 minute), Long down (3 minutes).

Class 2014 Novice B-(Experienced member and experienced dog in Novice). Second time in Novice.

Heel on leash and figure 8, Heel free, Stand for examination (off leash), Recall (off leash), Long sit (1 minute), Long down ( 3 minutes).

Class 2015 Graduate Novice (Those who scored 170 pts. In Novice A or B).

Heel on leash, Heel on leash and figure 8, Stand for examination (off leash), Drop on recall, Long sit (member out of sight 3 minutes), Long down (member out of sight 5 minutes).

Class 2016 Open A (Those who scored 170 pts. In Graduate Novice).

Heel free and figure 8, Retrieve on flat, \*Broad jump, Drop on recall, Long sit (member out of sight 3 minutes), Long down (member out of sight 5 minutes).

Class 2017 Open B (Those who scored 170 pts. In Open A).

Heel free and figure 8, \*Broad jump, Retrieve on flat, \*\*Retrieve over high jump, Drop on recall, Long sit (member out of sight 3 minutes), Long down (member out of sight 5 minutes) \* 2 times height of high jump \*\* 1 ½ times height at withers (Minimum 8", Maximum 36").

Class 2018 Utility A. For all 4-H members and dogs who have qualified in Open B. All exercises off leash.

Class 2019 Utility B. For all 4-H members and dogs who have qualified in Utility A. All exercises off leash.

Ribbon Groups:

Purple.....190-200 points

Blue.....170-189.5 points

Red.....150-169.5 points

White.....149.5 points or less

**RALLY OBEDIENCE COMPETITION**

Class 2030 Rally Level I is on lead and for local shows only

Class 2031 Rally Level II

Class 2031 Rally Level III

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

## 4-H PETS

**Osage City: Jake & Jenny Wilcoxson      Junior: Reece Wilcoxson, Leila Wilcoxson**

**Overbrook:                      Junior:**

1. A 4-Her must be enrolled in Pets to exhibit.
2. Pets will be placed in the various classes as designated. If there is a question about which class your pet should be in, final decision will be made by an Extension agent and the Superintendent.
3. All animals must be confined i.e.: fish in bowls, cats in cages, goats on a lead.
4. Pets will be judged on overall conditions, thriftiness, clean and presentable, and disposition. Also creativity of the 4-Her.
5. A 4-Her may show no more than two animals per class.
6. Rabbits, dogs, cats, or other animals being shown in other divisions are not eligible to show in the Pet division.
7. Animals will be brought only during the show time and returned home afterwards.

Class 2100      Hamsters, Gerbils, Rabbits, etc.

Class 2101      Fish, Reptiles

Class 2102      Birds

Class 2103      Dogs

Class 2104      Cats

Class 2105      Goats

Class 2106      Other

### OPEN CLASS PETS

\*Open Class Pets - Same classes as 4-H are available.

## 4-H ARTS/VISUAL ARTS

**Osage City: Jake & Jenny Wilcoxson and Danielle Garrison**

**Junior: Reece Wilcoxson and Leila Wilcoxson**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

**\*One art exhibit from each class will be chosen to go to State Fair. Exhibits chosen will be contacted by the Extension Office after Overbrook Fair.**

1. Read General Rules.
2. All Exhibits must be the result of the current year's 4-H project.
3. A maximum of three exhibits per 4-H member may be entered in this division. More than one entry may be made in any class.
4. 4-Her's must be enrolled in Arts to exhibit in this division.
5. Skill art exhibits must be original work. An exhibit may include multiple sketches mounted on a matte board or framed. Notebooks of drawings may be entered in the Miscellaneous Division.
6. All items which need to hang must have hardware attached. (including all fine arts) must have wire or saw tooth hanger attached (no string or tape). If necessary hardware is not attached, it will be deducted a ribbon and will not be displayed.
7. Multi-piece items should be marked accordingly.
8. 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, ect.
9. The following classes will be judged in age groups, 7 to 10 year olds, 11 to 13 year olds, and 14 years and older.

### CLASSES

#### **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 hanging provided that frame has a hanger.

#### **4502 - Clay and Ceramics**

Any original item made of clay; may be fired or unfired, hand formed, or thrown on a wheel. Self-hardening, fire/oven-cured, and/or cornstarch clays are acceptable. Items can include, but are not limited to, clay statues, bowls, etc.

#### **4503 - Leather and Jewelry**

Any leather stamping, carving, tooling, lacing, or stitching piece or any jewelry piece made from any medium are acceptable exhibits.



### **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.

### **4505 - General Crafts**

This category incorporates miscellaneous pieces that do not correspond to the four, above-mentioned categories.

### **Copyright**

\*Kits and preformed molds are not considered original and are not acceptable in any Visual Arts Class.

Combining parts of different patterns (pictures, photographs, images from the internet or a magazine) with the member's own ideas can result in an original design, but simply changing the color, pattern, and/or size of a pattern does not make the design original. If you create a replica of what you see somewhere else (i.e. Pinterest), it is not your original design. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit.

### **Rock Springs**

Some artwork will be selected to be on display at Rock Springs 4-H Center during 2021-2022. 4-H members should include an Art Release Form, available from their Extension Office, with their exhibit indicating their willingness to have their art displayed at Rock Springs for a year. The release form will be removed at check-in and filed by county/district to expedite the selection process. Previous Rock Springs display items will be returned to Extension Units upon the conclusion of the State Fair.

## **4-H BANNERS & BOOTHS**

**Osage City: Collene Stucky      Junior: Ruby Stucky**

**Overbrook North Osage 4-H Club**

### **Banner:**

1. 4-H Clubs may enter a 4-H Club Booth and/or 4-H Club Banner. **Banners and Booths Do Not Go on to State Fair.**
2. Banners should illustrate a phase of 4-H work which is being practiced by boys and girls in 4-H.
3. Banners are a two dimensional display, depicting one idea.
4. Banners should be made out of flame-resistant material.
5. Banners must be hung on a rod strong enough to support the banner. They must have a chain 6" long attached to each end of the dowel stick. The other end of the 6" chain will be connected to an "S" hook which will permit the banner to be suspended by the chains on a wire. Banners mounted any other way will not be displayed due to technical problems.
6. Banners must be made of non-flammable materials that permit the banner to be folded or rolled without damaging the display. Three dimensional objects may not be attached to the banner.

7. A label is to be attached to the back lower left-hand corner of the banner giving the name of the club, county, and year. Names of the 4-H'ers are optional. Waterproof ink prevents smearing and is recommended for the label.

8. Avoid using copyrighted materials.

**Basis of Evaluation:**

I. Educational Value - 40%

- A. Presents suggestion or striking facts that are simple in form and quickly grasped, or
- B. Shows extent to which 4-H involvement meets a fundamental need, or
- C. Promotes decision and action.

II. Interest and Originality – 20%

- A. Presents original, unusual or striking method of exhibition.
- B. Holds interest of people until they have read or observed essentials of the message.
- C. Defines clearly on central idea.

III. Appearance – 20%

- A. General appearance, artistic, neat and attractive.
- B. Can be viewed and read (if words are used) a distance up to 20 feet

IV. Quality of Display Material – 20%

- A. Display must be made of materials that will permit the banner to be rolled, folded, and displayed repeatedly without damaging the banner.
- B. Banner must be minimum of 12 feet and maximum of 16 square feet, with minimum of 3 feet on one side.
- C. Banners must be hung on rod and a rope or hanging wire, strong enough to support the banner.

Class 2590 4-H Club Banner

**Booth:**

Booths must be pre-entered by June 30th to the Extension Office. Judging will be based as follows:

- A. Educational Value – 40%
- B. Interest Value – 20%
- C. Appearance – 20%
- D. Quality of Display Material – 20%

Class 2591 4-H Club Booth

## 4-H SEWING AND TEXTILE DESIGN

### Superintendents

**Osage City: Collene Stucky and Susan Smith**

**Junior: Kelsie Quaney, Lena Stucky, Ruby Stucky**

**Overbrook: Jamie Guenther and Libby Thompson**

1. Read General Rules.
2. All work exhibited must be the product of the current year's club work.
3. Exhibitor must be enrolled in project in which exhibit is entered.
4. A maximum of three exhibits per 4-H member may be entered in the clothing division. More than one exhibit may be entered in each class.
5. Garments may have been worn before exhibited, but if so be carefully laundered or cleaned before being exhibited.
6. Label:
  - A) Type or print on 3x2 ½" piece of cloth: Class, County, Name, Address.
  - B) Attach label on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
  - C) No straight pins may be used to attach labels.
7. Pre-cut kits are acceptable. All articles/garments must be finished for use.
8. The exhibitor may attach an index card, no larger than 4"x6" with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.
9. Educational Exhibit Classes - Share with others what you learned in the sewing and textile project. Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials that will withstand State Fair conditions. No card table 10 displays are allowed. If the exhibit is a poster, it must not be larger than 22"x 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county/district must be clearly marked on educational exhibits.
10. Recycled Clothing Project – An item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. An index card (no larger than 4" X 6") MUST accompany entry describing the recycled materials and how they were used in the item.

Class 2700 An article, garment, or outfit constructed by a 7-8 year old exhibitor

Class 2701 Educational exhibit prepared by a 7-8 year old exhibitor (construction)

Class 2702 An article, garment, or outfit constructed by a 9-11 year old exhibitor

Class 2703	Educational exhibit prepared by a 9-11 year old exhibitor (construction)
Class 2704	An article, garment or outfit constructed by a 12-14 year old exhibitor
Class 2705	Educational exhibit prepared by a 12-14 year old exhibitor (construction)
Class 2706	An article, garment or outfit constructed by a 15-18 year old exhibitor
Class 2707	Educational exhibit prepared by a 15 to 18 year old exhibitor (construction)
Class 2708	Recycled Clothing Project

## 4-H SHOPPING IN STYLE

### Superintendents

**Osage City: Collen Stucky**

**Junior: Lena Stucky**

**Overbrook: Jamie Guenther and Libby Thompson**

4-H members will learn what clothing styles look best on them while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping in Style should build on previous year's learning experience. Exhibit one of the following options that align with the 4-H member's Shopping in Style level.

### Rules

1. Posters can be flat poster board or foam board, no larger than 22" x 28."
2. Tri-fold educational displays must be free standing and no larger than 36" x 48."
3. Photos of 4-H member in purchased outfit must demonstrate criteria as outlined on scoresheet. Consider multiple angles, good light and highlight details so that the judge may accurately evaluate the exhibit.
4. Exhibits should include actual photos of 4-H member in garments, and may also include pictures from magazines or the internet.
5. To be eligible for State Fair, exhibitors must do one of the displays and qualify at the local county level. Actual purchased outfits do not go beyond the local level, unless you have qualified for the State Fashion Revue.

**Classes** Exhibit one of the following options that align with the appropriate Shopping in Style level:

**4020 Shopping in Style: Junior (age 9)** Choose one of the following activities from Unit 1 or Unit 2 of the curriculum project manuals. Exhibit should consist of poster 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.

**4021 Shopping in Style: Intermediate (age 10-13)**– Choose one of the following activities from Unit 3 or Unit 4 of the curriculum project manuals. Exhibit should consist of a display 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. Explains 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. Includes 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 vs. sewing/constructing the outfit. Comparison should include variety of shopping options and/or price tracking at stores over a period of time.

**4022 Shopping in Style: Senior (age 14-18)**– Choose one of the following activities from Unit 5 or Unit 6 of the curriculum project manuals. Exhibit should consist of a display 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.

Classes 2708 and 2709 (Purchased) are **not** eligible for state fair competition

Class 2708 **Purchased outfit Girl.** Attach a 8 ½ x 11 sheet of paper (preferably unfolded in a clear plastic folder), using string to hang it on the hanger. Include a story, why the outfit was purchased, where you plan to wear the garment, how it coordinates with other outfits in your wardrobe, how it flatters you as an individual. Include also, cost, fiber content, care instructions, and accessories to be worn with the outfit. Include the picture of 4-H member in the outfit.

Class 2709 **Purchased outfit Boy.** Same rules as Purchased Outfit-Girl applies to this class.

## 4-H ELECTRICAL AND RENEWABLE ENERGY

### Superintendents

Osage City: Dustin Stucky

Junior: Korbin Reeves

Overbrook: Jamie Guenther and Libby Thompson

Junior:

1. Read General Rules.
2. Only those who have met the requirements of the electric, small engine, or wind energy project are eligible to exhibit in this division.
3. No exhibitor may enter more than one article in each class. Label each article giving owner's name, address, county, name of article, and class. A typewritten identification tag placed with masking tape, or tied to the exhibit is preferred.
4. Article may have been used, but if so must be cleaned before exhibiting.
5. Sheet of operating instructions should be furnished for any exhibit not self-explanatory.
6. Exhibit should be able to be operated. If battery power is required, batteries should be furnished.
7. Any project with complexity of size or electronics must have: 1) instructions for assembly and use and 2) equipment available at the time of judging for actually testing of exhibit.
8. No hand dipped solder may be used on exhibits.
9. Items that have been in use should be cleaned for exhibit.

### Electrical and Electronics

Class 2750 AC Electric Projects. Electric projects with a 110 or 120V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliances extension cords, trouble lights, indoor or outdoor wiring boards or shop lights. Projects may be a restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have wiring access to examine the quality and safety of workmanship.

Class 2751 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 projects. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbell switches. All DC electric projects must include batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 2752 Electronic Projects. Electronic projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/ assembly manual if from a kit. Include plans if an

original project. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

Class 2753 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 educational displays, exhibits or science fair type projects such as 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 4 feet, using a maximum tri-fold size of 3 X4'.

### **Alternative Energy**

**(A form of energy derived from a natural source, such as the sun, geothermal, wind, tides or waves)**

All exhibits in this division are limited in size to standard, tri-fold, display boards (36" X 48") and items may not extend beyond 12" from the back board. All displays must be self standing.

Class 2757 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 2758 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.

## **SMALL ENGINES**

### **Superintendents**

**Osage City: Dustin Stucky**

**Junior:**

**Overbrook: Jamie Guenther and Libby Thompson**

All exhibits should involve engines smaller than 20 horsepower for classes 2754-2756. Engine should contain no fuel in tank or carburetor. Displays are limited to 4' wide and 4' deep - both upright and floor displays.

### **Rules**

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 division, but only one article per class.
4. Items that have been in use should be cleaned for exhibit.

Class 2754 DISPLAY—Exhibit a display, selecting one of the following options: 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR 2) a display identifying and explaining the function(s) of different special tools needed for small engine work;

OR 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' X 4'.

Class 2755 MAINTENANCE— Exhibit a display that illustrates either 1) Routine maintenance procedures OR 2) Diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display using a maximum tri-fold size of 3' X 4'.

Class 2756 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. Engine should contain no fuel in tank or carburetor.

## 4-H ENTOMOLOGY

**Osage City: Pam & Jeff Whitmer Junior: Kevin Whitmer**

**Overbrook: Jamie Guenther and Libby Thompson Junior:**

A 4-H member may exhibit in the ENTOMOLOGY COLLECTION, ENTOMOLOGY NOTEBOOK and/or EDUCATIONAL DISPLAY categories. Within each category there are classes in Beginning, Intermediate or Advanced phases in which they enroll. The Notebook category also has an Introductory class that 4-Hers may exhibit in the State Fair as long as they meet age requirements and County Fair ribbon placing requirements. See class descriptions within categories for requirements.

Resources for exhibiting can be found on the Kansas 4-H Entomology page.

### Collection Classes

1. All entries should be submitted in an 18 x 24 x 3.5 inch wooden display box with a clear plastic top (such as plexiglass). Boxes can be handmade or purchased as long as they are of the correct size and do not have a glass top. **Please visit the website listed above for box instructions and plans.**

2. 4-Hers may choose to use one of two taxonomies:

a. As printed in “Insects in Kansas” book or

b. As printed on the “Insects in Kansas Book: 2016 Revised Taxonomy”, which follows

[www.bugguide.net](http://www.bugguide.net)

3. Each exhibitor is required to identify each box with two identification labels bearing exhibitor’s name, county or district, the class, and statement of taxonomy used.

One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Arrange specimens in the box so it can be displayed lengthwise.

4. The number of orders, specimens (and families where required) must be included on both of the exhibitor’s box identification labels. Only one adult insect per species can be used in the Collection Boxes and Note Book Classes, unless labeled as male or female and correctly identified.



5. Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box. Specimens are to be arranged by Order in the box, then Family where required.
6. Two labels should be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label should include date/locality. Full county name and state abbreviation should be on the second label. Collector's name (or host) on the date/locality label is optional.
7. The specimens should be collected by the exhibitor and should focus on Kansas insects. Insects may be collected from one county into bordering states and labeled accordingly. Please refer to "Entomology Collection Exhibit Resource" for full details on out-of-state insects in collections.
8. Only specimens of the class Insect a should be included.
9. Purchased insects are not to be exhibited in collections, but they may be used in educational displays.
10. Specimens of soft bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.
11. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.

### **County Fair Class for Beginners**

4-H members 7-9 years of age or beginners of any age may enter in this phase for only two years. Display in two cigar boxes (lids removed and each box covered with clear plastic wrap). Cigar boxes should be about 2" X 6" X 8". Display a minimum of 15 species but no more than 30 species. This should include a minimum of six orders. Labels for the insect orders are required and must be pinned to the bottom of the boxes. A date/locality label is required on each specimen. This label is centered on the pin beneath the insect. Locality refers to the county and state where collected. Date refers to the date the specimen was collected. Labels should be small and neat. **\*State Fair does not offer this class.**

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

### **Class 4905 Advanced Entomology Collection**

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

### **Notebook Classes**

1. Individual entries are to be placed for display in a three-ring notebook for competition.
2. 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.
3. 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 4H'er is enrolled in and statement of taxonomy used:
  - Option A: “Insects in Kansas” book, or
  - Option B: “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.
4. 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.
5. Date, common name, full county name and state abbreviation should be included for each species. Collector's name on the specimen page is optional.
6. Specimen pages should have two different views of the insect if possible. If pictures are taken on different

dates/localities, include information for both.

7. 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.

8. 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.

9. For the Intermediate and Advanced classes, insects are also to be grouped by family behind each order divider.

10. If the exhibitor has been in the same class for more than one year, a separate sheet of paper needs to be added stating how many years the exhibitor has been in this class of the project and what the exhibitor did this year to improve their notebook. Place the paper just behind the Title Page in the front of the notebook.

11. A special project must be completed each year and included in the notebook. See project guideline materials for specifications.

12. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.

#### **Class 4907 Introductory Entomology Notebook**

Display a minimum of 10 and a maximum of 30 insect species representing at least six different orders. Follow the general guidelines listed for Notebooks, including the Special Project. A 4-H member must be of minimum age to complete 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

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

#### **Class 4910 Advanced Entomology Notebook**

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

### **EDUCATIONAL DISPLAYS**

1. Share with others what you learned in this project. Exhibit any activity or learning experience related to the field of entomology or the Teaming with Insects curriculum that does not fit into Entomology Collection or notebook classes above.
2. Follow copyright laws as explained in the General Rules.
3. The exhibit may be, but isn't limited to, original works, digital presentations (must provide printed hardcopy for exhibit purposes for duration of state fair), programs, websites, games, apps, display box, notebook, display or poster which you have made.
4. If the exhibit is a wooden display box, it must be 18 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.
5. Name and county/ district must clearly be marked on educational exhibits.
6. Any major violation of rules will result in the exhibit being dropped one ribbon placing. Examples would include, but are not limited to: incorrect display box size, missing paper work, feet on display boxes, no special project in notebooks, etc.

### **4902 BEGINNING EDUCATIONAL EXHIBIT**

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

### **4904 INTERMEDIATE EDUCATIONAL EXHIBIT**

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

### **4906 ADVANCED EDUCATIONAL EXHIBIT**

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

### **Monarch Butterfly Educational Display Rules**

Monarch Butterflies were officially put on the Endangered Species List on July 21, 2022. Having the scientific name *Danatus plexippus*, this migratory butterfly is well known for its spectacular annual journey of up to 3,000 miles across the Americas. It is now threatened with extinction due to habitat loss and climate change. 4-Hers

can play a critical role in helping to bring habitat back for the Monarch Butterfly. They can help educate the public on ways to establish food sanctuaries for this butterfly species and help bring them back from the threat of extinction.

1. Exhibits should teach the public about the Monarch Butterfly and/or ways to protect and conserve it. The information could show nectar sources for adult butterflies and food sources for caterpillars, Monarch tagging activities, collection of native milkweed and then packaging it to give to others to plant, a group working together to plant a Monarch friendly garden, etc.

2. 4-Hers may create a poster, notebook, standard size tri-fold, diorama, slide show or other visual display that shows information on Monarch Butterflies

3. If a slide show is created, it should be presented on a zip drive along with a printed copy of the presentation.

**4920 Beginning Monarch Butterfly Educational Display Class:** for 4-H members enrolled in Beginning I or II Entomology

**4930 Intermediate Monarch Butterfly Educational Display Class:** for 4-H members enrolled in Intermediate Entomology

**4940 Advanced Monarch Butterfly Educational Display Class:** for 4-H members enrolled in Advanced Entomology

#### **4-H FOOD-NUTRITION**

**Osage City: Kathy Webster, Chelsi Ford, Jenny Wilcoxson**

**Junior: Braelyn McNally, Allie Reeser, Izzy Ford and Reece Wilcoxson**

**Overbrook: Keri Harris**

1. Read General Rules.

2. A maximum of three exhibits per 4-H member may be entered in the Food Nutrition division. More than one entry may be made in each class.

3. **RECIPES ARE REQUIRED ON ALL FOOD PRODUCT EXHIBITS.**

4. All baked goods must be left whole and uncut. Small items, such as cookies and rolls, should be the same shape and from the same recipe. Exhibit 3 cookies, 3 muffins, 3 bread sticks, 1 loaf bread, etc.

5. Attach label to bottom of plate or cardboard. **Label food entry on bottom of plate or cardboard with Class Number, food product name, 4-H member's name.** Label templates are available at [http:// www/kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods\\_Label.pdf](http://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf) or make your own with the following information: Class Number, Food Product Name, 4-H member's Name.

6. 4-H'ers are encouraged to use whole grain flours, fruits, nuts, etc.

7. Any baked product that can be removed from the pan should be placed on paper plates or cardboard, otherwise exhibit in a disposable container of appropriate size for the exhibit.

8. Exhibits should be in **FOOD GRADE PLASTIC BAGS or BOXES.**

9. All unfrosted cakes should be exhibited in an upright position with crust showing, except for those cakes with special designs, such as bundt cakes. They should have top crust side down.

10. Space is limited for judging so use small paper plates when possible for food exhibits, but do not stack your food items. Only the exhibit is judged, not the container. Food is replated and only a small portion is displayed with ribbon.

11. For food safety purposes any food with custard and dairy-based fillings and frostings (ex. cream cheese, raw eggs), flavored oils, “canned” bread or bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration (ex. bacon) or unbaked exhibit with raw flour "(ex. No bake cookies) will be disqualified and not judged.

*Refer to K-State Research and Extension publication, 4-H888, Judge’s Guide for Food and Nutrition Exhibits, for information to help you make informed, safe food exhibit decisions. (Google: “KSRE 4-H888” it will pull it up)*

12. Alcohol (ex. wine, beer and hard liquor) is not allowed as an ingredient. Entries with alcohol in the recipe will be disqualified and will not be judged.

13. Under-baked entries will be lowered one or more ribbon placings.

14. Educational classes: Exhibits may be in the form of a poster, notebook or display. Follow copyright laws. 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. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.

15. Foods will be sold after judging. The profits will go to the County 4-H Council. You may specify at entry if you wish to “buy back” your item.

16. Decorated special event cakes will no longer be accepted for exhibit.

17. Dried foods are to be exhibited in the FOOD PRESERVATION DIVISION.

18. The exhibitor may attach an index card, no larger than 3” x 5” with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.

19. 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. Frostings 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>.

**Foods:**

Class 2900 For 7 - 8 year old exhibitors; a non-perishable food product from the 4-H Foods and Nutrition Curriculum or similar recipe.

Class 2901 Educational exhibit prepared by 7 - 8 year olds.

- Class 2902 For 9 - 11 year old exhibitors; a non-perishable food product from the 4-H Foods and Nutrition Curriculum or similar recipe.
- Class 2903 Educational exhibit prepared by 9 - 11 year olds.
- Class 2904 For 12 – 14 year old exhibitors; a non-perishable food product from the 4- H Foods and Nutrition Curriculum or similar recipe.
- Class 2905 Educational exhibit prepared by 12 - 14 year olds.
- Class 2906 For 15 - 18 year old exhibitors; a non-perishable food product from the 4-H Foods and Nutrition Curriculum or similar recipe.
- Class 2907 Educational exhibit prepared by 15 - 18 year olds.
- Class 2908 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), prepared by the 4-Her, in a suitable container no larger than 18” x 18" X 18”. **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. 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.

### **Food Preservation:**

1. Read General Rules.
2. Exhibits must have been preserved since the member’s previous year’s county fair.
3. Recommended recipes and processing methods must be used. 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. For more information on electric multi-cookers, see [http://nchfp.uga.edu/publications/nchfp/factsheets/electric\\_cookers.html](http://nchfp.uga.edu/publications/nchfp/factsheets/electric_cookers.html). Untested recipes will be disqualified for food safety reasons. Tested recipe resources include:
  - K-State Research and Extension Food Preservation publications
  - Other University Extension Food Preservation publications
  - USDA Complete Guide to Home Canning @2015
  - So Easy to Preserve, 6th edition, The University of Georgia Cooperative Extension Service
  - Ball Blue Book Guide to Preserving Edition 37
  - All New Ball Book of Canning and Preserving
  - Canning mixes (i.e. Mrs. Wage’s, Ball)
  - Pectin manufacturers (i.e. Sure Jell, Ball)

- <http://www.rrc.k-state.edu/preservation/recipes.html>

Refer to following K-State Research and Extension publications for more information.

4H712, Food Safety Recommendations for Food Preservation Exhibits

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

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

MF3171 “Sassy Safe Salsa at Home” (<http://www.ksre.ksu.edu/bookstore/pubs/MF3171.pdf>)

MF3172 “What’s Your Elevation?” (<http://www.ksre.ksu.edu/bookstore/pubs/MF3172.pdf>)

MF3241 “How to Guide to Water Bath Canning and Steam Canning

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

MF3242 “How to Guide to Pressure Canning <http://www.bookstore.ksre.ksu.edu/pubs/MF3242.pdf>)

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

5. Members may exhibit one entry in each class.

6. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be disqualified. Recipe must include recipe source, date of publication and altitude where food was processed. If using Mrs. Wage’s or Ball mixes, indicate the date the mix was purchased.

7. Exhibits must be sealed in clean clear standard canning jars, with matching brand (ex. use Ball lids with Ball jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not use colored jars. Do not add fancy padded lids, fabric overwraps, or cozies as they interfere with the judging process. No fancy packs unless recipe states to do so (ex. Pickled Asparagus). **Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe.** Note: There are 12-ounce, 24-ounce, and 28-ounce canning jars available and may be used. Use pint jar process recommendations for 12-ounce jars. Use quart jar process recommendations for 24-ounce and 28-ounce jars.

8. Each jar exhibited must be labeled. The label must not cover brand name of jar. The label must give: Class No, Product, Altitude where processed, Canning Method (water bath, weighted gauge, or dial gauge pressure method), Process Time, Pressure (psi), date processed including month and year, Name, and County/District. Templates to make adhesive labels may be found at: [https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods\\_Label.pdf](https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/docs/foods-and-nutrition/Foods_Label.pdf)

9. Classes 2950-2955 will require one jar for each class.

10. Hole punch the entry card and use a rubber band to attach the entry card and recipe around the top of the jar.

11. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3 - 1/2 cup, or three or four pieces per exhibit. All meat jerky must be heated to an internal temperature of 160 degrees F before or after drying. This is not the drying temperature. Dried products must include the recipe, preparation steps and heating instructions. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found in "Dry Meat Safely at Home" -



Class 2950	Sweet spreads, fruit and/or vegetables, syrups -1 jar
Class 2951	Fruits, juices, fruit mixtures (salsas, pie filling, etc.) - 1 jar
Class 2952	Low acid vegetables (green beans, corn, or vegetable mixtures, etc.) - 1 jar
Class 2953	Pickles (fruit or vegetable) fermented foods and relishes and chutney - 1 jar
Class 2954	Tomato/Tomato Products, tomato juice and tomato salsas - 1 jar
Class 2955	Dried Meats - 1 jar
Class 2956	Dried Foods – 1 small jar

#### 4-H FORESTRY

**Osage City: Dustin Stucky**

**Junior: James Ford**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

1. All leaf exhibits are to be mounted on 8 ½" x 11" heavy stock paper and placed in loose leaf binders. (Magnetic or adhesive filler sheets for photographic prints or sheet protectors are recommended. Twigs and fruit collections may be exhibited in whatever manner you choose Maximum tri fold size is 3' x 4'. Resources for exhibiting are located on the Kansas 4-H forestry project page: <https://www.kansas4-h.org/projects/agriculture-and-natural-resources/plant-sciences/forestry.html>
2. Name, club, age, and year in project should be on front cover or in a prominent location.
3. Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) the proper common name as listed in the 4-H Bulletin 334, "**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) or (month, day, year) collected.
4. Divide specimens into the following two sections: Native Kansas Trees, and Non- Native Trees. (<https://www.bookstore.ksre.ksu.edu/pubs/4H334.pdf>)
5. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.
6. Variations of varieties do not count as different species or specimens.
7. When replacing previously displayed samples, due to degradation, improper mounting, or incorrect identification, the specimen label must be updated. Replacements do not count as new specimens. Replacements should be displayed in the "old previous" section of the display.
9. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
10. In all leaf collections exhibit one complete leaf where possible. If leaf is too large, exhibit as much as

possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion is from. Note: A “leaflet” is incorrect when displayed as the complete leaf for the tree.

11. 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 3000** Forestry Collection - Choose either A or B (Only those exhibiting at the state fair for the first year may enter this class.)

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

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

**Class 3001** Forestry Collection - Choose either A or B (This class is open to those exhibiting either for the first or second time at the state fair.)

A. Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 10 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

**Class 3002** Forestry Collection - Choose either A or B (This class is open to those exhibiting either for the third or fourth time at the state fair.)

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

B. Exhibit a minimum of 15 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

**Class 3003** Forestry Collection - Choose A or B (This class is open to those exhibiting the fifth time or more at the state fair.)

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

B. Exhibit a minimum of 20 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 10 new leaf, twig and fruit specimens.

### **How a Tree Grows**

**Class 3004** 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 exhibit an illustration of a how a tree grows.

### **Tree Appreciation**

Class 3005 Notebook

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

### **Growing and Protecting Trees**

Class 3006 Display/ Notebook

Entry requires a display, or project notebook, telling about project and pictures before, during, & after planting seedlings. Maximum tri-fold size is 3' X 4'.

### **Tree Culture**

Class 3007 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 3008-Entry may include collected wood samples (all or partial) and 2 page essay. Wood sample display to be mounted on poster board or any stiff material no larger than 3' wide x 4' tri-fold. Essay should be displayed in a covered binder.

### **Educational/Creative Exhibit**

Class 3009-Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum size of 2' x 3'. Care should be taken to use durable materials that will withstand fair conditions. This is a good class to exhibit an unusual collection.

## **4-H GEOLOGY**

### **Superintendents**

**Osage City: Dustin Stucky**

**Junior: James Ford**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

1. Read General Rules.

2. The exhibit box should be 18" x 24" x 3½". Plexiglas covers are required. Boxes with glass covers WILL NOT be accepted. All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep exactly. If a box has a sliding Plexiglas cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes 3055-3059 only, the dimensions of the box should be appropriate for the display, but should not exceed 18"x24"x31/2".

3. Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper left-hand corner of the Plexiglas cover (inside – use clear double sided tape to adhere gummed labels) and by attaching a label with the same information on lower right corner of the box (outside).
4. Exhibitor may enter in both Geology and Lapidary classes. Exhibitor may show in only one of the first four Geology classes (3040-3043). Exhibitor may also show in Geology class 3044 (special exhibits), 3045 (mineralogy) and 30456 (Fossil) and in one lapidary class.
5. Geology specimens should be labeled with the number of the specimens, date collected, specimen name or description, and locality (county only) where collected.
6. For the geology classes 3050, 3051, 3052 and 3053, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words “phylum, class, genus” on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda Class: Articulata Genus: Composita).
7. For geology classes 3050, 3051, 3052 and 3053, and 3055 all specimens must be collected (not purchased) from locations in Kansas, with the exception of Tri- State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.
8. The current year specimen number rule shall be modified for the 2020 4-H year for geology exhibit state fair classes 5200, 5201, 5202 and 5203, due to these extraordinary circumstances, to read: Five (5) specimens must be collected during the current 4-H year.

**Geology:**

- |            |   |
|------------|---|
| Class 3040 | Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. Limited to one exhibit box.   |
| Class 3041 | Display at least 30 different rocks, minerals, or fossils, at least 5 of each.<br>Fifteen must be collected during the current 4-H year. Limited to one exhibit box.  |
| Class 3042 | Display at least 45 rocks, minerals, or fossils, at least 5 of each. Five must be collected during the current 4-H year. Exhibit limited to two boxes. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key. |
| Class 3043 | Display at least 60 rocks, minerals, or fossils, at least 5 of each. Five must be collected during the current 4-H year. Exhibit limited to two boxes. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key. |

- Class 3044 Geology Educational 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' of table space. Exhibitor may also exhibit in lapidary class.
- Class 3045 Mineralogy. Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (ie: Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (ie: CaCO<sub>3</sub> for calcite) if known.
- Class 3046 Fossils. Display a minimum of 15 fossil specimens collected by the participant in Kansas, at least 5 of which have been collected during the current 4-H year. The fossils are to be grouped by Phylum and Class, and at least 3 phyla must be represented (Brachiopoda, Chordata, Mollusca, etc.) The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen; date collected; county where collected; formation, member, or source; phylum, class, and genus or part; and geologic age (Cretaceous, Permian, Pennsylvania etc.) See #5 for additional fossil labeling expectations.

### **Lapidary:**

Lapidary will be judged on the following criteria:

Workmanship, and Content – 60 points

Presentation and Showmanship – 30 points

Accuracy of information – 10 points

Lapidary exhibit boxes may be a standard size, 18” x 24” x 3 ½” or a smaller 18” x 12” x 3 ½” size if appropriate. Specimens should be arranged across the 18” dimension of the exhibit box. All boxes must have a removable Plexiglas cover. 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

- Class 3056 Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of “before and after”, nor do they have to be self-collected. Locales must be identified.

- Class 3057 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 3058 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 3059 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 3060 Lapidary. Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

Special lapidary exhibits should be entered in class 3060. Please note that each member is limited to one entry in this class.

#### **4-H FIBER ARTS**

**Osage City: Collene Stucky and Susan Smith      Junior: Allie Kneisler, Lena Stucky, Ruby Stucky**

**Overbrook: Jamie Guenther and Libby Thompson      Junior:**

1. Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving, crochet, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting or embroidery or ethnic art). Ethnic Fiber Arts should use a fiber, yarn or fabric to create the design exhibit. Non-textile (examples include wood reed, straw, grass, etc.) baskets/pieces should be entered in the Visual Arts Division.
2. No exhibit will be released for any other use. Heritage fiber arts exhibits cannot be used for any of the Family & Consumer Science Clothing classes.
3. Identification Label:
  - a. Type or print on 3" x 2 ½" piece of cloth: class number, county, and 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 waist band, as if you were wearing the garment.

4. A member may enter two exhibits in each class. 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 consideration will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
7. The exhibitor should attach an index card, no larger than 4" x 6", with the entry form to give the judge any information on what parts of the exhibit they made, processes used, or other information which the exhibitor thinks would be helpful for the judge. For all items please indicate if item was made from a kit. For items please indicate fiber content, and specifically if they are made of at least 90% wool. For quilted items indicate who did the quilting and binding.
8. Exhibitors are expected to be enrolled in the Heritage Fiber Art project in which they are entered. When the exhibit is a sewn garment that also includes one or more Heritage Fiber Art techniques (i.e. knitting, crochet, needle arts, or patchwork and quilting), the determination of what division (Clothing or Heritage Fiber Arts) and class in which to enter will be left with the 4-H participant.
9. All exhibits which need to be hung MUST have the appropriate saw tooth hanger, rod, wire or other mechanism attached in order to be properly displayed.
10. Fiber Arts Educational Notebook - Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts. NOTE: a collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the notebook.
11. There are no age-specific classes in Heritage Fiber Arts. The exhibitor's age and years in the project will be considered by judges.

Class 3100 Crochet, an article, including felted items. (See #7above.)

**Best Crochet Award (Osage City Only)**

**sponsored by Martha Kuykendall Memorial.**

- Class 3101 Knitting, an article made either by hand or by knitting machine, including felted items. (See #7 above.)
- Class 3102 Needle Arts, an article created by hand using any of the following techniques: a) embroidery and cross-stitch; b) needlepoint; c) candle wicking; d) crewel; e) lacework/ and/or f) appliqué.
- Class 3103 Patchwork and Quilting, an article. It is an acceptable practice for the exhibitor to create the patchwork or quilted article and have someone else quilt it.
- Class 3104 Rug making, a rug. Accepted techniques include braiding, latch hook, tying, floor cloth, etc.

- Class 3105 Spinning, a skein. Minimum 10 yards in length.
- Class 3106 Weaving, a woven article. Member should include the type of loom or process used. Woven wood reed basket, should be exhibited in Visual Arts.
- Class 3107 Ethnic Arts, an article: This is defined as a Fiber Art/Textile technique that is associated with a specific country or culture. It is a practical skill that was developed to provide basic family needs such as apparel, home furnishings or decorations. It is also defined as a method that has been maintained throughout history and passed on to others, often by observation and by example, such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Members should attach information on the history of the ethnic fiber art, where it was used, by whom, how it was used, short description of the technique, etc. (See # 7 above.)
- Class 3108 Macramé, an article
- Class 3109 Fiber Arts Educational Notebook

### **4-H Interior Design and Architecture**

**Osage City: Collene Stucky          Junior:**

**Overbrook: Jamie Guenther and Libby Thompson          Junior:**

1. Read General Rules.
2. All exhibits must be the result of improvements made during the current 4-H year.
3. Only one exhibit may be made in each class.
4. 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.
5. Projects with missing or insufficient summary will be lowered one ribbon placing (i.e. a blue ribbon exhibit will receive a red ribbon).
6. Exhibits should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged.

### **SINGLE EXHIBITS**

Exhibit an article made by the 4-Her for the home. Include explanation of how it was made, cost, pictures, plans, pattern, etc. Explanation can be on a poster, in a story, or other method. (If a pair is exhibited, include both). Explanation will not be judged, but will qualify exhibit to be judged and will be helpful to the judge and fair audience.



- Class 3200 4-H Single Exhibit. An article (furniture, fixtures, interior or exterior, etc.) made or refinished by the member for the home. Must include attached summary.
- Class 3201 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 3202 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.

### **4-H HORTICULTURE & LANDSCAPE DESIGN**

**Osage City: Jenny Tate, Donna Marie Anderson      Junior:**

**Overbrook: Jamie Guenther and Libby Thompson**

1. All horticultural exhibits must be grown by the exhibitor.
2. Secure entry information to plate or container with string or tape. Use a sturdy plate, bowl, or container that will support the weight of the produce.
3. A member may enter up to 5 different vegetable exhibits. Exhibitors may have more than one entry in the same class. A 4-H member may also enter up to 5 floral exhibits. Each cut flower specimen must be of a different species. 4-Hers may enter up to 5 fruit exhibits. Can have more than 1 exhibit per class, but should be different fruits.
4. Information about exhibiting produce is available online in the publication "Exhibiting Fruits and Vegetables" available at <http://www.bookstore.ksre.ksu.edu/pubs /c405.pdf>.
5. Information about exhibiting flowers and produce can be found online in the publication "Preparing Cut Flowers for Exhibit" available at <http://www.bookstore.ksre.ksu.edu/4H826.pdf>

#### Class 3300 Garden Display

Each exhibitor in this class will be limited to four square feet of space. The Garden Display should be exhibited in a tray, basket or container that can be easily moved by the fair staff.

The exhibit consists of five different types of fresh vegetables or fruits. Canned products and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The numbers of the five types of vegetables or fruits to be exhibited are as follows:

#### **Large Vegetables - One Each**

Cabbage                      Watermelon

Large Pumpkin      Squash  
Eggplant            Cantaloupe

**Small Vegetables - Twelve Each**

Green Snap Beans      Radishes  
Wax Beans              English Peas  
Or Similar sized vegetables

**Medium Vegetables - Five Each**

Beets                  Okra  
Potatoes              Peppers  
Onions                Sweet Potatoes  
Carrots                Cucumbers  
Tomatoes              Decorative Gourds  
Miniature Pumpkin    or similar size vegetable

**Small Fruits - One Half Pint Box**

Blackberries, Raspberries, Strawberries, Or other similar sized fruits

**Tree Fruits - Five Each**

Apples, Grapes (2 Bunches), Pears, Peaches, Or other Similar sized fruits

- Class 3301      Small vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, radishes, cherry tomatoes, other small vegetables.
- Class 3302      Medium vegetable specimen plate (5) Ex: cucumbers, tomatoes, beets, white onions, yellow onions, red onions, bell peppers, other peppers, okra, parsnips, radishes, turnips, sweet potatoes, red potatoes, white or Russet potatoes, carrots, miniature pumpkins and decorative gourds, or other medium vegetables.
- Class 3303      Large vegetable specimen plate (1) Ex: watermelon, summer squash, winter squash, large type pumpkin, eggplant, cabbage, cantaloupe, other large vegetable.
- Class 3304      Fresh culinary herbs (6) Ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of ONE VARIETY of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.
- Class 3305      Small fruits (one half pint box) Ex. Strawberries, blackberries, raspberries, or other similar sized

fruits (if other, please include name of fruit on entry).

Class 3306 Tree fruits (plate of 5) Ex. apples, pears, peaches, or similar sized fruits.

Class 3307 Grapes (plate of 2 bunches).

Class 3311 Annual Garden Flower, cut specimen, single stem.

Class 3312 Perennial Garden Flower, cut specimen, single stem.

Class 3313 Fresh Flower Arrangement, flower materials must be grown and/or collected by exhibitor, not purchased.

Class 3314 Dried Flower Arrangement, no fabric or plastic material allowed.

1. It is recommended that flowers and arrangements be in disposable containers (single stems in pop bottles, arrangements in disposable plastic, etc.).

2. All floral materials should be grown and/or collected by the exhibitor, not purchased. Entries should not take over one square foot of table space.

3. Potted plants are not accepted in this class.

**4. All entries must be freestanding, easily moved, and not require any special equipment to display. Hanging entries are not accepted.**

Class 3315 Potted plants (not eligible at the State Fair)

Class 3316 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 as follows: 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%.

#### **4-H/FFA AGRONOMY**

**Osage City: Jeff Whitmer**

**Junior:**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

1. Products exhibited in this division must have been grown by the 4-H/ FFA member in the current year, with the exception of soybean seed and edible field bean seed.

2. Exhibits should be as mature as possible.
3. A 4-H/FFA member may exhibit a maximum of one entry per class.
4. Every entry must be identified by hybrid or variety name.
5. All classes calling for a gallon sample may have a 2 ½" to 3" diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarts.
6. If variety is NOT stated where requested OR samples not tied where requested, ribbon placing will drop one placing.

#### **4-H/FFA WHEAT VARIETY PLOT DISPLAYS**

The free standing displays must not exceed the overall dimensions of 36" wide X 18" deep (measured on the outside). Care should be taken to select durable materials that will withstand fair conditions. Displays must not require the use of electricity. If booth exceeds overall dimensions, ribbon placing will be dropped one place.

1. These displays will have been planned and prepared by 4-H/FFA members enrolled in the wheat variety plot project.
2. Members must include the varieties provided in the display, but may include more varieties, if desired.

#### **Basis for Awards:**

- Educational Value 70 %

Is the main idea of the display specific? Was the title or theme emphasized? Is the idea presented so clearly, so simply, so forcefully, that it will stop the casual observer? If the passerby stopped, did the display give the observer additional facts in a clear, concise way? For example, varietal differences in wheat, economic gains from adoption of desirable practices, etc.

- Quality of Display Material 30%

Size, style and neatness of lettering, proportion of models and lettering balanced, workmanship, including handouts, if used, charts, models and lettering used effectively to teach ideas, colorful, artistic, neat and well balanced.

#### **4-H/FFA WEED CONTROL EXHIBIT**

1. Collect, identify, press, mount, and label 15 weeds. Try to include their roots, stems, leaves and flowers. Three of the weeds must be noxious weeds preferably found in your home county. A standard 9" x 12" scrapbook may be obtained in which to permanently mount your weed specimens. Identify the scrapbook with your name and county on the inside front cover.
2. Prepare a list of the weeds mounted, showing common name, scientific name, and where it was found. Place the list in a specially identified section of the scrapbook.
3. Collect and identify weed seeds found in crop seeds. Mount them for display purposes. Place them in a specially identified section of the scrapbook.
4. Write a story on "How We Control Weeds on Our Farm" if you live on a farm. Other members write "How

We Control Weeds at Home". The story should be about 300 words in length. It must show definite methods used to control weeds. Place the story in a specially identified section of the scrapbook.

**Basis for Awards:**

Mounted weed collection: number of mounted specimens, completeness of individual mount, correctness of identification and information, and neatness. Include record sheet of weeds.

- Records.....50%
- Weed seed collection and exhibit.....30%
- Story.....20%

Class 3450 Weed Control Exhibit – Exhibit consists of the four items above.

Class 3460 Wheat Variety Plot Displays

**Corn**

Class 3400 White. Variety or hybrid must be named. **White -Ten Ear Exhibit.**

Class 3401 Yellow. Variety or hybrid must be named. **Sorghum-Ten Head Exhibit**

Class 3402 Corn: Exhibit to consist of one-gallon sample. Variety must be named.

Class 3403 Hybrid grain sorghum. Hybrid must be named. **Ten Head Exhibit**

Class 3404 Hybrid forage sorghum. Exhibit to consist of the entire plant; no roots.  
Hybrid must be named. 5" bundle, tied.

Class 3405 Other forage sorghums. Exhibit to consist of the entire plant; no roots.  
Variety must be named. 5" bundle, tied.

**Wheat-One Gallon Sample**

Class 3406 Soft red winter wheat. Variety or hybrid must be named.

Class 3407 Hard red winter wheat. Variety or hybrid must be named.

Class 3408 Hard white wheat. Variety or hybrid must be named.

**Sunflowers**

Class 3409 Confectionery heads. 3 heads must be submitted.

Class 3410 Confectionery seeds in jar. 1 gallon jar must be submitted.

Class 3411 Oil seed heads. 3 heads must be submitted.

Class 3412 Oil seeds in jar. 1 gallon jar must be submitted.

**Other Crops**

Class 3413 Oats: Exhibit to consist of one gallon sample. Variety must be named.

- Class 3414 Barley: Exhibit to consist of one gallon sample. Variety must be named.
- Class 3415 Alfalfa: Exhibit to consist of one gallon sample. Variety must be named.
- Class 3416 Alfalfa Hay: Exhibit to consist of one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions. Variety must be named.
- Class 3417 Grass Hay: Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.
- Class 3418 Brome Grass: Exhibit to consist of one gallon sample of seed.
- Class 3419 Other Tame Grasses: Exhibit to consist of one gallon sample of seed.
- Class 3420 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.
- Class 3421 Soybeans: Exhibit to consist of one gallon sample of seed from most recent harvest. Variety must be named.
- Class 3422 Soybeans: Bundle of five plants from most recent harvest. Variety must be named.
- Class 3423 Edible field beans: Exhibit to consist of one gallon sample of seed from most recent harvest.
- Class 3424 Edible field beans: Bundle of five plants (with roots intact) from most recent harvest.
- Class 3425 Miscellaneous Crops: Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named.
- Class 3426 Honey. 1 jar. (Not eligible for State Fair.)
- Class 3427 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.

#### **4-H/FFA AG MECHANICS WELDING**

**Osage City: Willing Workers 4-H Club**

**Junior: Cole Thompson, Brody Thompson**

**Overbrook: Jamie Guenther and Libby Thompson**

1. 4-H members must be currently enrolled in the Kansas 4-H Ag Mechanics Welding project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibits must have been constructed or repaired 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.
3. For the 2021 State Fair total exhibit dimensions should not exceed 3 feet high, by 3 feet wide, by 3 feet deep. Total exhibit weight may not exceed 150 pounds (movable by a team of 2 people)
4. Wheeled exhibits must utilize a breaking mechanism which prevents the exhibit from freely rolling while on

display

5. 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.
6. For trailer exhibits the tongue of the trailer should have a locking mechanism (e.g. padlock) to prevent the trailer from being moved by unauthorized individuals while being displayed. A key for the locking mechanism should be left with the superintendent and labeled with the exhibitor’s name, county, and phone number.
7. 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.
8. Top heavy items should be braced or placed in a stand sufficient to prevent it from toppling over while on display
9. Exhibits may not be bound, affixed, attached to the State Fair buildings, except by the superintendent, State Fair Staff, or State Fair Extension Staff.
10. 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.
11. Repair projects having adequate original finish need not be repainted
12. Cutting surfaces, such as blades or knives, are to have a protective covering over them to prevent injury. The covering should be easily removed and reinstalled for judging. Foam “pool noodles” and multiple layers of cardboard are acceptable.
13. Display cases for small exhibits, such as knives, are acceptable, and must be easily opened so the item can be removed and examined as part of judging.
14. 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.
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 If appropriate schematics or working drawings relating to the creation or repair
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” which is available through your local KState 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

22. 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.

## **Classes**

**Introductory – Level 1 (about 1 - 3 years’ 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.

5550 Welding Display Board. A 3’ x 3’ display board with different pieces of metal attached illustrating different types of welds, each weld being labeled.

5551 Level 1 Welding Ag Repair. Repair of ag equipment with welding.

5552 Level 1 Welding Ag Fabrication. Creation of new ag equipment with welding.

5553 Level 1 Welding General Repair. Repair of non-ag equipment with welding.

5554 Level 1 Welding General Fabrication. Creation of non-ag equipment with welding.

5555 Level 1 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.

5556 Level 1 Brazing Repair.

5557 Level 1 Brazing Fabrication.

5558 Smithing Display Board. A 3’ x 3’ display board with different pieces of forged metal attached illustrating different forms, each form being labeled.

5559 Level 1 Smithing. A design forged with at least one formed element (twists or spirals for example).

**Experienced – Level 2 (about 4 - 6 years’ 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.

5560 Level 2 Welding Ag Repair. Repair of ag equipment with welding.



5561 Level 2 Welding Ag Fabrication. Creation of new ag equipment with welding.

5562 Level 2 Welding General Repair. Repair of non-ag equipment with welding.

5563 Level 2 Welding General Fabrication. Creation of non-ag equipment with welding.

5564 Level 2 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.

5565 Level 2 Brazing Repair. 5566 Level 2 Brazing Fabrication.

5567 Level 2 Smithing. A design forged with at least two different formed elements (twists and spirals for example).

**Advanced – Level 3 (about 7 - 9 years' experience)** This level is designed for youth with vast experience in the project area allowing them to master common principles and methods and expand on advanced techniques in the given area.

5570 Level 3 Welding Ag Repair. Repair of ag equipment with welding.

5571 Level 3 Welding Ag Fabrication. Creation of new ag equipment with welding.

5572 Level 3 Welding General Repair. Repair of non-ag equipment with welding.

5573 Level 3 Welding General Fabrication. Creation of non-ag equipment with welding.

5574 Level 3 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding.

5575 Level 3 Brazing Repair.

5576 Level 3 Brazing Fabrication.

5577 Level 3 Smithing. A design forged with at least three different formed elements (twists, spirals and bulbs for example).

**Master – Level 4 (10 or more years' experience)** This level is designed for youth substantial experience in the project area allowing them to master advanced techniques in the given area.

5580 Level 4 Welding Ag Repair. Repair of ag equipment with welding.

5581 Level 4 Welding Ag Fabrication. Creation of new ag equipment with welding.

5582 Level 4 Welding General Repair. Repair of non-ag equipment with welding.

5583 Level 4 Welding General Fabrication. Creation of non-ag equipment with welding. 5584 Level 4 Welding Artistic Fabrication. Creation of artistic or interpretive pieces with welding. 5585 Level 4 Brazing Repair. 5586 Level 4 Brazing Fabrication. 5587 Level 4 Smithing. A design forged with at least four different elements (twists, spirals and bulbs for example).

### **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 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://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 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.

**Educational Displays –**

**Ag Mechanics/Welding – Intermediate Division (Ages 9 – 13)**

- 5475 Intermediate Ag Mechanics/Welding Educational Display
- 5476 Intermediate Ag Mechanics/Welding Educational Notebook
- 5477 Intermediate Ag Mechanics/Welding Educational Poster

**Ag Mechanics/Welding – Senior Division (Ages 14 years and older)**

- 5478 Senior Ag Mechanics/Welding Educational Display
- 5479 Senior Ag Mechanics/Welding Educational Notebook
- 5480 Senior Ag Mechanics/Welding Educational Poster

**4-H MISCELLANEOUS**

Osage City: Collene Stucky                      Junior:  
 Overbrook: Jamie Guenther and Libby Thompson                      Junior:

- 1. 4-H members enrolled in projects that do not have an exhibit class elsewhere in this catalog may exhibit their notebook or other interesting and educational exhibit showing what has been done in the project. If enrolled in a project that has its own notebook/misc. class you cannot enter a notebook, poster, or other in this division. (Examples - safety, health, reading, self-determined, leadership, etc.)
- 2. 4-H'ers may enter only one exhibit per different project. 4-Hers may have more than one entry in a class.
- 3. Not eligible for state fair competition.

- Class 3250 Posters
- Class 3251 Notebooks
- Class 3252 4-H Reading Project Notebook
- Class 3253 4-H Officer Notebooks
- Class 3254 Other Miscellaneous exhibits (Osage City Fair Class)

## 4-H BUILDING BLOCK ENGINEERING

Osage City: Dustin Stucky

Junior: Korbin Reeves and James Ford

Overbrook: Jamie Guenther and Libby Thompson

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 construction 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.

1. 4-H members must be currently enrolled in the Kansas 4-H Building Block Engineering project to exhibit in this division.
2. 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.
3. Counties are limited to FOUR exhibits to the state fair to insure sufficient space for all exhibitors
4. Total exhibit dimensions may not exceed 2 feet high, by 2 feet wide, by 2 feet deep.
5. The minimum exhibit dimensions must be at least 6 inches wide and deep.
6. 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.
7. All components used in construction should be dust and hair free, clean, free of chips, scuffs, cracks or broken blocks.
8. Gaps or cracks should not be visible between assembled blocks unless they fit with the story, for example an earthquake
9. The primary building component should be interlocking blocks, commonly referred to by the brand name of Lego®
10. Other architectural components can be integrated into dioramas to illustrate architectural aspects that may be difficult to convey with traditional interlocking blocks
11. The use of existing “store bought” sets for major architectural elements of the display is not allowed, use of figurines from sets is allowed as is using individual bricks or small sub-assemblies to create something different than the architectural component of 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.
12. 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.
13. 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

14. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method
15. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. If used judges should be able to use them and instructions should be provided for operation.
16. Artistic designs, for example recreating paintings like the “Mona Lisa” or “Starry Night” and sculptures like “David,” are not permitted as exhibits and one ribbon placing should be deducted, these exhibits should be displayed Visual Arts.
17. 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
18. 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.
19. 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.
20. 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.
21. STATE FAIR ONLY: Additionally exhibitors are required to create a video about their project discussing their construction experiences the architectural elements of the diorama. This allows judges to get a better understanding of the exhibit and all lows youth the opportunity to fully explain their exhibit. The video should be no longer than 8 minutes and should be placed on a USB drive or micro/SD card drive or, if desired, uploaded as to YouTube as an unlisted video and a link to that video included in a file titled “VideoLink” or printed on a separate sheet of paper. These videos may also be considered for inclusion in a running video loop in the Engineering & Technology area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in this area at the Kansas State Fair.
  - a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

22. STATE FAIR: Building Block Engineering exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.

### **Beginner (ages 7-8)**

5710 Basic brick diorama built from scratch

### **Intermediate (ages 9-13)**

5711 Interlocking brick diorama built from scratch

## **Senior (ages 14 and up)**

5712 Advanced interlocking brick diorama built from scratch

### **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 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 Astronomy, BBE, 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.

### **Educational Displays –**

#### **Building Block Engineering – Intermediate Division (Ages 9 – 13)**

5481 Intermediate Building Block Engineering Educational Display

5482 Intermediate Building Block Engineering Educational Notebook  
5483 Intermediate Building Block Engineering Educational Poster

#### **Building Block Engineering – Senior Division (Ages 14 years and older)**

5484 Senior Building Block Engineering Educational Display

5485 Senior Building Block Engineering Educational Notebook

5486 Senior Building Block Engineering Educational Poster

## 4-H PHOTOGRAPHY

**Osage City: Sharon Thielen and Kara Thompson**

**Junior: Avery Thielen and Paige Thielen**

**Overbrook: Jamie Guenther and Libby Thompson**

1. Black and white prints and color photographic prints may be exhibited.
2. EACH EXHIBITOR WILL BE LIMITED TO TWO ENTRIES. Exhibitor may enter enlarged photographs only in the classes of the photography unit enrolled in this year. \*Exhibitors in their eighth year or more in the photography project may enter (2) photograph (**each in a different class**), for a total of 2 exhibits.
3. Photographs entered must be the result of the current year's project work. Photos must be taken by the 4-H Member (exhibitor).
4. Photos are to be mounted across the narrow (11") dimension of an 11" x 12.5" sheet of white or cream studio matte board. Photos mounted on foam core or poster board will not be displayed.
5. All photos must be no larger than 8" x 10" and no smaller than 7" x 9", after trimming.
6. Photos must be mounted with the top edge of the print 1" below the top of the mount (board is always oriented narrow side up). The sides of the print must be equal distance from the two sides of the mount.
7. A full coverage permanent mount (spray adhesive recommended or heat mount) must be made. Each photo is handled numerous times (up to 25) throughout judging, sorting, and display process.
8. No lettering, including dates, is permitted on the front of the mount or on the photo, only on the form provided. No underlays or borders are to be used. Forms are available at the Extension Office or online at [www.kansas4h.org](http://www.kansas4h.org).
9. All photos must be exhibited in the photo bags available from the Extension Office.
10. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes. HDR photos are to be entered in the standard photo class.
11. Digital images that have had objects added or removed, multiple filter effects applied or black and white and color combined must be entered in the class for Computer Manipulated Photos (class 3504). See rules for class 3504 for additional requirements.
12. On the back of the mount, write; The exhibitor's name, address, photo class, and location where the photograph was taken. Please use full district name and county name.
13. The Black and White Classes are for black and white prints only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class.
14. Photos entered in any class of the 4-H Photography Division at the State Fair may be used in State Fair 4-H Photography judging contest. Entry of a photo in the 4- H Photography Division contest grants permission to use the photo in the 4-H Photography Judging Contest.
15. Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering, including dates, on the photo, will be awarded a ribbon one placing lower than the placing determined



by the official judges.

16. Digital Composite Image: Finished photo must be created from two or more original images photographed by exhibitor. HDR photos do not qualify for this class. Photos will be judged on photographic merit as well as manipulation technique and process. Ribbon placement will be determined by combining the score of each judging section.

17. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the State Fair.

18. Photos with live subject(s) on railroad right away or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and will be **disqualified and not judged**.

19. Copyright protections must be observed.

20. Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the 4-H Specialist responsible for the photography department.

21. My Favorite 4-H Photography Display: This new class is only for those photography project members with 10 or more years of experience. This class is a non-judged mounted display consisting of four favorite photos from the member's photography career in 4-H. All photos and a fifth biography/description with details of why they are regarded as most significant will be mounted on white or cream studio matte board. Photos and biography/description will be displayed on one row of the photography racks. This class is an extra way to showcase the development and accomplishments of the 4-H member's photography career. Members can still enter two other classes, if they are enrolled 8 or more years in the photography project.

Class 3500 For color photos taken by a 4-H member with 3 years or less in the project.

Class 3501 For color photos taken by 4-H member with 4 - 7 years in the project.

Class 3502 For color photos taken by a 4-H member with 8 or more years in the project.

Class 3503 Black and white photos taken by a 4-H member with 3 years or less in the project.  
(Black and white prints only).

Class 3504 Black and white photos taken by a 4-H member with 4-7 years in the project.  
(Black and white prints only).

Class 3505 Black and white photos taken by a 4-H member with 8 years or more in the project.  
(Black and white prints only).

Class 3506 My Favorite 4-H Photography.

1. This is a "display only" class.

2. Eligible members must have enrolled in photography for ten (10) or more years.

3. Requirements are:

A. Choose a total of four (4) of your favorite photos from any of the years enrolled in photography. If used previously in competitive exhibits, remove all data slips and

stickers. If the photo is an unmounted print, mount it using standard 4-H requirements and mat board.

B. Develop a short biography piece. -Tell how/when an interest in photography began. - Explain why each of the four photos is a favorite. -Share the skills learned because of photography. Think beyond camera skills and include leadership, community service, etc. -Tell of any mentors/leaders worked with. -Share workshops or camps pertaining to photography you attended. -Explain (if relevant) any plans to use photography skills beyond 4-H/High School. -Include a small (2 x 3) photo of yourself at the start of the biography. -Print the biography document and mount it on a standard mat board.

4. Place name and Extension unit on the back of each of the 5 mat boards in the upper right-hand corner.
5. This exhibit does not have to qualify at the county/district level to exhibit at the Kansas State Fair.
6. There is no data slip required.
7. A member who qualifies to exhibit in this class is still allowed to enter two prints and a portfolio for judging if qualifications for those classes are met.

#### Class 3507 Growth Portfolio

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

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, Photojournalism, Black and White, Nature/Wildlife or Graphic Design (computer skills with photos). Photos may have been created over multiple project years.
3. Photos may be color except if Black and White option is chosen and must be unmounted.
4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. A one page summary should accompany the portfolio listing the goal for pursuing this area of photography and what skills were learned while doing so. Mentors should be acknowledged. Career exploration can also be described.
6. Exhibit will be presented in a notebook designed for portfolio review with pages for required information from #4 and #5.

## 4-H SHOOTING SPORTS

**Osage City: Willing Workers 4-H Club**

**Junior: Korbin Reeves**

**Overbrook: Keri Harris**

**Junior:**

Exhibits related to Shooting Sports should follow the Best Management Practices of National 4-H Shooting Sports and Kansas State Law.

### **National 4-H Shooting Sports Minimum Standards and Best Management Practices**

Regarding simulated combat sports including but not limited to, paintball guns, air-soft, laser guns, archery tag. Pointing any type of gun including paint ball guns, air-soft guns, laser guns, laser paint-ball, archery tag bows & arrows or sighting devices at any person or any humanoid shaped target is inappropriate any 4-H program activity.

### **Kansas Law**

Kansas firearm laws regarding possession require that a person be at least 18 years of age. Minors under the age of 18 may possess firearms if under the supervision of a parent, legal guardian, or qualified instructor.

A minor engaged in activities such as hunting, trapping, and competition shooting are allowed to possess firearms during the activities. This also includes the transportation of the firearm to and from the locations of such activities--including their related safety and instruction courses or classes--with the consideration that the firearm be unloaded and not in the immediate reach of the individual. Possession of firearms at the minor's place of residence is also allowed, in so far that permission is granted by a parent or guardian. Kansas firearm laws place a strict focus on situations that involve people convicted of felonies and the involvement of firearms.

1. 4-H Member must be 8 by January 1, of the current 4-H year to be enrolled and participate in the project to show at the county fairs. Participation in the project includes attending project meetings related to area their exhibit topic to ensure National 4-H Shooting Sports Minimum Standards and Best Management Practices are followed and displayed in the exhibit.
2. A member may make only one entry in this division.
3. 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 State Fair conditions. Entries will prominently incorporate the 4-H Clover with KSRE co-branding and should include the Kansas 4-H Shooting Sports emblem. Failure to do so will penalize the entry one ribbon color.
4. 3. 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.
4. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS. No "live" ammunition containing propellant or explosive powders may be used in any display! An inert substitution must be used in lieu of powder and "live" ammunition. The substitution must be clearly described on the back of the poster, display or

in a notebook. Please remember that neither the two Osage County Fair Boards, the department of 4-H Youth Development, nor Kansas State University Research and Extension are liable for the loss or damage of any personal property included as part of your poster, display, or notebook.

5. Name, county or district, age and year in project should be on the front of the poster, display, or notebook.

6. Exhibits will not be accepted if they are related to reloads.

7. Educational Displays will be judged on the following points:

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

8. Posters will be judged on the following points:

- Stopping Power.....	30
- Interest, Holding Power.....	30
- 4-H Project application.....	25
- Mechanical Power.....	15
Total.....	100

Class 3600 Educational Display. Must be directly related to the 4-H shooting sports project. (Standard tri-fold boards only, no larger than 3'X4').

Class 3601 Promotional Poster. Must promote 4-H Shooting Sports. (Flat poster no larger than 22" X 30")

Class 3602 Notebook. Contents pertain to some phase, results, story or information about 4-H Shooting Sports.

#### Experiential Classes

6203 Shooting Aid or Accessory - (SF253) - Any item the 4-Her makes which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is and used for.

6204 Storage Case - (SF254) - Any item the 4-Her makes with the purpose to safely hold a firearm, bow, ammunition, and/or arrows. Examples: soft sided shotgun case, quivers, firearm safe, include your design, or plans you adapted. Explain how the storage case is used.

6205 Practice Game or Activity - (SF255) - Invent or adapt an activity to practice or teach a project skill.

Include pictures of youth playing the game, testimonials of 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

#### 4-H Astronomy

**Osage City: Dustin Stucky Junior: Ruby Stucky, Tyler Williams, James Ford**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

#### 4-H Astronomy

1. The 4-H member must be currently enrolled in the 4-H Astronomy project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. **Exhibits must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair.** Counties or districts should select only top blue or purple ribbon Astronomy exhibits **which meet State Fair guidelines.**
3. Telescopes entered in this division may be built from a kit or by original design. Pre-finished telescopes which require no construction are not acceptable exhibits.
4. Telescopes are limited to no more than six feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
5. Each State Fair telescope exhibit must include a "4-H Astronomy Exhibit Information Form" which should be attached onto the outside of an 10"x13" manila envelope. You must also include construction plans (or a photocopy) of the telescope and place it inside the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. At least 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"x13" manila envelope. Up to 10 pages of pictures can be included.
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 in project must be tagged or labeled in a prominent location on the telescope stand, educational display, notebook, and /or poster.
11. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judge's discretion, will receive a participation ribbon.
12. STATE FAIR ONLY: Additionally, exhibitors may create an optional video (not required) about their project showing its operation and the work they have done. 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 drive or, if desired, uploaded as to

YouTube as an unlisted video and a link to that video included in a file titled “VideoLink” or printed on a separate sheet of paper.. These videos may also be considered for inclusion in a running video loop in the Engineering and Technology project area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.

a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

13. STATE FAIR ONLY: Astronomy exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening without the express consent of State 4-H staff, any exhibit removed before release time will be disqualified.

Class 3700 Telescope made from kit

Class 3701 Telescope made from an original design

### **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 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 Astronomy, BBE, 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.

### **Educational Displays –**

#### **Astronomy – Intermediate Division (Ages 9 – 13)**

5731 Intermediate Astronomy Educational Display

5732 Intermediate Astronomy Educational Notebook

5733 Intermediate Astronomy Educational Poster

#### **Astronomy – Senior Division (Ages 14 years and older)**

5736 Senior Astronomy Educational Display



## **4-H COMPUTER SCIENCE**

### **Superintendents**

**Osage City: Dustin Stucky**

**Overbrook: Jamie Guenther and Libby Thompson**

1. 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.
2. The actual construction of computer hardware (i.e., building a computer, electronic devices with a motherboard-based manipulation) will remain in the Energy Management division.
3. 4-H members must be currently enrolled in the 4-H Computer Science project to exhibit in this division.
4. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair.
5. 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.
6. See the last section for full details about exhibiting posters, display boards and notebooks.
7. 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.
8. 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 run the exhibit as described below.
  - b. OR System -On-A-Chip (SOC) (such as Raspberry Pi) or a MicroController (such as an Arduino or Ozobot) AND is a compact (less than 8”X 8”X 8”) system, which can be programmed AND requires minimal assembly to operate (e.g. connecting power, display, and keyboard/mouse cables). Referred to as a “chip system” through the rest of the rules.
9. Physical computers such as tablets, smart phones, laptops, or personal computers (PCs) will not be accepted as an exhibit.
10. “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.
11. Any attached GPIO devices are not judged for electrical construction or quality as this division is focused on the operational aspects of the system (the code). Some of these systems, with automation, can also be

classified as a Robot, and the exhibitor must decide which division to exhibit in as the exhibit may not be entered in both divisions.

12. For chip systems, all electric components of the system must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for the electrical components.

13. All revisions of all forms previously released for the STEM division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year. Use of old forms should result in the loss of one ribbon placing for exhibits.

14. 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, which is available through your local K-State Research and Extension office or 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 on USB drives, one graphic should be uploaded to emailed to [pmaddy@ksu.edu](mailto:pmaddy@ksu.edu) with the exhibitor number and exhibit number by **August 23rd**. It should show the completed project (such as a screen shot/capture, slide, or similar). This image will be part of a digital display at the State Fair. The only thing to be picked up at the end of the state fair will be the exhibit card. The rest of the exhibit materials will be returned to the county/district offices in their "county packs." For county fairs it is recommended to display the manila envelope.

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).

15. 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.

16. 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.

17. Flow diagrams or decision trees showing the logical flow of the code must be included on the USB drive for all coded exhibits. PowerPoints presentations, for example, would not require a decision tree or flow diagram.

18. Since there is no conference judging at the Kansas State Fair, a set of instructions must be provided to run the computer system /application. These instructions should be printed off and included in the exhibit package and a copy should be included on the USB drive.

a. FOR COUNTY FAIRS it is recommended that 4-Hers bring a computer that will run their project to the fair for judging as judges typically do not bring computers with them. Operating instructions are still required.

b. Instructions should be written as though you were helping a less techy person, (like a grandparent) operate your exhibit similar to what is described in rule 9 below. An example of instructions can be found at <http://computers.engtech4ks.com/>.

19. Each exhibit MUST include a video of the youth following their instructions for operation. For presentations, such as PowerPoint, this should include delivering the presentation. 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 the USB drive or, if desired, uploaded as to YouTube as an unlisted video and a link to that video included in a file titled "VideoLink."

. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair. a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.

20. Each exhibit must accomplish a specific automated task using a computer, a chip system, URL, or virtual machine (VM).

21. Kanas State Fair Judge(s) in the computer system division will have a physical computer with the following minimum configuration to test exhibits with and view files:

- a. Microsoft Windows® 10 or Windows® 11
- b. Microsoft Office® 365 (Excel, Power Point, & Word)
- c. Microsoft Visual Studio®
- d. Microsoft Edge Browser®
- e. Mozilla Firefox® Browser
- f. Google Chrome® Browser
- g. Adobe Acrobat Reader®
- h. Apache OpenOffice®
- i. VMware Player Windows 64bit
- j. Scratch Desktop editor (offline version)

22. STATE FAIR ONLY: The STEM judges will have internet access at the Kansas State Fair. Internet based content may be included in exhibits. Exhibitors should take great care and only go on-line with their guardian's

permission. User names and passwords should not be included in exhibits. If they are required to view the content, a temporary user account and password should be created for judging at the Kansas State Fair, once judging is complete the user name and password should be disabled on the account. If a separate user account is not possible, the content should be included as part of the video. **YOU SHOULD NOT SHARE YOUR USER NAME OR PASSWORD WITH OTHERS.**

23. 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.

24. 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.

25. 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.

26. Judging will be based on a score sheet which can be found at <http://computers.engtech4ks.com/>. There are four (4) areas each exhibit will be judged on. They are:

- a. 4-H Engineers Journal (what I learned to make it work), 25% overall score
- b. Instructions (how I help others make it work), 25% overall score
- c. Functionality (does it work), 25% overall score
- d. Diagrams (and code if applicable) (how I think it works), 25% overall score

28. **STATE FAIR ONLY:** Computer exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or the information desk in 4-H Centennial Hall. The exhibit must be returned to display immediately after the demonstration/illustrated talk, or the exhibit will be disqualified. Exhibitors and/or their designees may not remove exhibits from 4-H Centennial Hall prior to the exhibit release time on Sunday evening without the express consent of State 4-H staff, any exhibit removed before release time will be disqualified.

#### Division– Computer Systems

Class 3713 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 3714 Computer presentation (power point, web page/site, animated graphics, etc.).

Class 3715 Single computer system (web server, database server, etc.).

Class 3716 Networked system consisting of two or more computers.

Class 3717 Chip System- a small (4x8”, 4x8”, 4x8”) programmed physical device that accomplishes a specific task.

#### **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 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 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.

### **Computer Science – Intermediate Division (Ages 9 – 13)**

5771 Intermediate Computer Educational Poster

5772 Intermediate Computer Display Board

5773 Intermediate Computer Notebook

### **Computer Science – Senior Division (Ages 14 years and older)**

5776 Senior Computer Educational Poster

5777 Senior Computer Display Board

5778 Senior Computer Notebook

## **4-H ROBOTICS**

### **Superintendents**

**Osage City: Dustin Stucky**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

1. 4-H members must be currently enrolled in the Kansas 4-H Robotics project to exhibit in this division.
2. Each exhibitor may enter one robot per class. **Exhibit must have been constructed/completed during the current 4-H year.** The robot must be selected at the county fair level for entry at the State Fair. Counties or districts should select only the top blue or purple ribbon robot exhibits **which meet State Fair guidelines.**
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
4. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not considered robots and should either be entered in computer systems division or energy management project. Robots requiring no assembly, just programming, such as Ozobots, are considered computer systems projects as the skill is focused on the programming not on the construction of the robot.
5. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displaced in a case (not required or encouraged) the outside case dimensions may not be more than 26 inches in height, width, or depth.
6. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be placed in a separate container, which is not included in the robots dimensions, that container may not be larger than 576 cubic inches as measured along the outside of the container. (Examples: 4”X4”X36” or 4”X8”X18” or 6”X6”X16) The container, if used, and/or any large objects (such as mats or obstacles) should be labeled with the exhibitor’s name(s) and county or district.
7. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is **NOT** considered an adequate enclosure or covering for electrical components.
8. Robots may be powered by an electrical, battery, water, or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified. Weaponry is defined as any instrument, possession or creation, physical and/or electrical that could be used to inflict damage and/or harm to individuals, animal life , and/or property.
9. Remote controlled robots are allowed under certain conditions provided that the robot is not drivable.

Robots programmed on phones/tablets need to have a specific program created, using motion controls to move the robot are not acceptable, for example “press forward on the screen to make the robot go forward.” Robotic arms (hydraulic or electric) are allowed. A remote is allowed, provided more than a single action happens when a single button is pressed on the remote, for example “a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds.” Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.

10. Each robot must be in operable working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete the required tasks for this current 4- H year. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot a video will be used to evaluate the working condition of the robot. It should follow the instructions provided for operation so that the judge can follow along with the provided instructions. For county fairs, where consultation judging is used the video requirement should be waived in favor of actual operation of the robot.

11. Each exhibitor is required to complete the “4-H Robotics Exhibit Information Form” which is available through your local K-State Research and Extension office. This form must be attached to the outside of a 10” x 13” manila envelope.

12. The exhibit must include written instructions for operation ( The instructions should be written as if they were to tell a grandparent or elderly person how to operate the robot), construction plans, a video, and one to five pages of project photographs. For robots that can be programmed, robot programming information must be included. This information should be placed inside the 10”x13” manila envelope mentioned above. **The exhibitor may enter their electronic project listed under the electric program as under the Space Tech robotics project if the exhibitor so chooses. No exhibitor will be allowed to set up their robot in person at the State Fair.**

13. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT include the device (phone, tablet, etc.). The device’s safety cannot be insured. Instead record a video demonstrating the instructions included for your robot. It should show, setting up the robot, starting the robot, the robot executing its task, and powering off the robot, just like the instructions are written.

14. Creativity, workmanship, and functionality will be strong criteria in judging the “Robot designed by the Exhibitor” classes. All robots should have a purpose or intended function, examples include, but are not limited to: following a line, sweeping the floor, solving a rubix cube, sorting colors, or climbing stairs. Exhibitor’s name(s) and county or district must be tagged or labeled in a prominent location on the robot.

15. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H Robotics

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

17. If a safety violation is noted by the judges, superintendents, or other staff, the exhibitor’s exhibit, at the judges’ discretion, will receive a participation ribbon.

### **Intermediate Division Ages 9 to 13 years**

Class 3768 Robot made from a commercial (purchased) kit. **(No programming just assembly)**

Class 3769 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot

kit or plan.

Class 3770 Programmable robot made from a commercial (purchased) kit.

Class 3771 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device.

Class 3772 Junk Drawer Robotics

### **Senior Division Age 14 and up -Five or More Years in Robotics Project**

Class 3776 Robot made from a commercial (purchased) kit. **(No programming just assembly)**

Class 3777 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

Class 3778 Programmable robot made from a commercial (purchased) kit.

Class 3779 Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device.

Class 3780 Junk Drawer Robotics

### **Division D - Team Robotics Project**

Class 3782 Robot designed and constructed by 2 or more 4-H Robotics 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 Robotics 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 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 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.

**Robotics – Intermediate Division (Ages 9 – 13)**

- 5756 Robotics Educational Display
- 5757 Robotics Educational Notebook
- 5758 Robotics Educational Poster

**Robotics – Senior Division (Ages 14 years and older)**

- 5761 Robotics Educational Display
- 5762 Robotics Educational Notebook
- 5763 Robotics Educational Poster

**Robotics Team Robotics Project**

- 5766 Team Robotics Educational Display
- 5767 Team Robotics Educational Notebook
- 5768 Team Robotics Educational Poster

# 4-H AEROSPACE/ROCKETRY

## Superintendents

Osage City: Dustin Stucky

Overbrook: Jamie Guenther and Libby Thompson

Junior:

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

### Exhibit Information for ALL rocketry categories:

1. All revisions of all forms previously released for the division either undated or dated prior to current year are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
2. Relevant documents may be obtained from County Extension Offices or from <http://rocketry.engtech4ks.com/>
3. NAR refers to the National Association of Rocketry and its' governing board.
4. All NAR documents referenced herein can be found at <http://www.nar.org>.
5. If a fire burn ban is in effect for any county in Kansas, exhibitors in any Kansas County are not required to launch their rocket(s). All requirements for the launching of rockets for the state fair and the documenting of the launching are suspended for the duration of the ban.
6. Tripoli refers to the Tripoli Rocketry Association and governing board.
7. See the last section for full details about exhibiting posters, display boards and notebooks.
8. Exhibitors may create an **optional** video (not required) about their project and the work they have done. The video should be no longer than 8 minutes and should be placed on a USB drive, or micro/SD card drive or, if desired, uploaded as to YouTube as an unlisted video and a link to that video included in a file titled "VideoLink" or printed on a separate sheet of paper.USB drive. These videos may also be considered for inclusion in a running video loop in the STEM area at the state fair after review by judges, superintendent(s), and extension staff. Adult guardians must complete the video release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the STEM area at the Kansas State Fair.
  - a. FOR COUNTY FAIRS with consultation judging, it is recommended that the video elements be waived in favor of talking with the exhibitor.
9. See the last section for full details about exhibiting posters, display boards and notebooks.

### Exhibit Definitions for ALL rocketry categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle, that has flown under rocket power. The intent of scale modeling is, according to the NAR, "is to produce an accurate, flying replica

of a real rocket powered vehicle that is judged for craftsmanship in construction, finish, and flight performance. (<https://www.nar.org/contest-flying/competition-guide/> )

2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.

3. For the purposes of Kansas 4-H STEM a mid- powered rocket is defined as a rocket that uses an 'E', 'F', 'G', or equivalent engine for launch. In addition, rockets also qualify for mid-power if they meet any of the following criteria:

a. Are 2 inches or greater in diameter "(not including fins) and taller than 3 feet (36 inches including fins) and do not use an engine(s) exceeding 160.01 Newton- seconds of total impulse (an 'H' engine equivalent or above)..

b. The total impulse of all engines used in the rocket is greater than 20.01 Newton- seconds and less than 160.01 Newton-Seconds.

4. For the purposes of Kansas 4-H, a high powered rocket is defined as a rocket that meets any of the following criteria: a. Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch;

b. Uses a 'H' engine or larger to launch

c. The total impulse of all engines used in the rocket is greater than 160.01 Newton-seconds of thrust.

d. Includes any airframes parts of ductile, metal, though, the use of ductile metal is strongly discouraged.

e. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.: i. Average thrust in excess of 80.01 Newtons

ii. Contains in excess of 125 grams of propellant and are limited to only H and I motors.

iii. Uses a hybrid motor or a motor designed to emit sparks

5. High power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR or Tripoli and maintaining that certification. This applies to all membership levels in the NAR and Tripoli. Specifically the "Formal Participation Procedure" for the "Junior HPR Level 1 Participation Program" as outlined by the NAR and the "Tripoli Mentoring Program (TMP) as outlined by Tripoli.

6. NAR safety codes for launching and construction of all rockets are assumed to be used by all 4-H exhibitors and will be considered during judging.

7. For the purposes of Kansas 4-H, NO rocket may be launched using engines totaling more than an 'I' impulse engine or 640 Newton-seconds of total thrust.

#### **Exhibit Rules for ALL rocketry categories:**

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

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

2. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a "model rocket kit" and the second may be entered into any other

applicable class. An exhibitor may not enter two rockets in the same class.

3. The report that accompanies the rocket must be limited to the 4-H STEM Rocket Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the rocket stand or rocket. The information form should be signed by the exhibitor. This may be downloaded from [http:// www.Kansas4-H.org](http://www.Kansas4-H.org) Any rocket exhibit not including this completed envelope will receive an automatic participation ribbon.

4. Plans (or a photocopy) must be placed inside the envelope. a. This includes original design rockets.

b. If a rocket kit has been modified structurally, (which must provide all necessary details to construct an original design rocket.), notations need to be given indicating the changes made, either by notations on the Rocket Exhibit Information Form or by placing notes in the plans. Such modifications require the rocket to be swing tested and documented to show a stable flight.

5. One or more photographs of the rocket during construction and at the launch site are required. a. Photographs showing the rocket at the moment of ignition are preferred.

b. Photographs must be mounted on one side of 8 ½" x 11" page(s).

c. There must be at least 1 page of photos and no more than 5 pages of photos.

d. Include at least one photo showing rocket construction, preferably with the exhibitor included.

e. Do not include photos of members catching their rockets as they return to earth. This is an unsafe practice, and we do not recommend or condone this practice.

f. Pictures at the launch site are not required in the event of a burn ban.

6. To exhibit in this division: a. The rocket must have been flown, unless a burn ban is in effect.

b. Support rods must not extend past the tip of the highest nosecone on the model.

c. Support rods must remain in the upright position, 90 degrees to the display base, do not angle. If support rods are not perpendicular to the base, the judge should deduct two ribbon placings.

d. No model may be submitted on a launch pad.

7. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.

8. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.

9. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeter, computer software, range finders, etc. If additional space is needed to show calculations of how the altitude was achieved one additional page may be added to the rocketry information pack.

10. Flight damage is to be documented by the participant on either the construction plans or the 4-H STEM Rocket Exhibit Information Form.

11. The judging of flight damage is to be secondary to all other aspects of the model and only then may it even

be considered. However under no circumstance may flight damage be grounds for disqualification.

12. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.

13. If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and can not be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not possible to make a full and immediate assessment of the safety of the rocket when it is being judged and safety is paramount.

14. Engines may not be used as display stands hollowed out or otherwise. This is a significant change from previous year's rules Engines used as a display stand will be subject to immediate disqualification.

15. Rocket engines should not be used to join multi-stage rockets together. a. Multi-stage rockets can be displayed without having the stages connected together. In that case the final stage (the one with the nose cone) should be placed on the display stand, and other stages with a loop of string to the display stand.

b. The different stages must be included to complete the rocketry exhibit, incomplete exhibits will be deducted at least one ribbon placing.

c. Use of any engines to join the stages together will be subject to immediate disqualification.

16. Multi-stage rockets can be flown using just the final stage and be considered fully flown.

17. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. All information necessary will be given to the NAR and TRIPOLI for investigation and possible revocation of membership.

18. To exhibit in this division:

a. The rocket must have been flown unless a burn ban is in effect.

b. Support rods must not extend past the tip of the highest nosecone on the model. This reduces the likelihood of eye pokes.

c. Support rods must remain in the upright position, 90 degrees to the display base, do not angle. Support rods may be angled if the rocket itself still remains in the upright position, for example if engine tubes are slanted and the best form of support for the rocket is to use an angled support post. If support rods are the rocket is not perpendicular to the display base, the judge should deduct two one ribbon placings.

d. No model may be submitted on a launch pad

19. Launches should not be conducted in winds above 20 mph and will constitute a disqualification of rocket exhibit.

20. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.

21. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeter, computer software, range finders, etc. If additional space is needed to show calculations of how the altitude was achieved one additional page may be added to the rocketry information pack.

22. Flight damage is to be documented by the participant on either the construction plans, an additional sheet of paper titled "flight damage" or the 4-H Rocket Exhibit Information Form.

23. The judging of flight damage is to be secondary to all other aspects of the model and only then may it even be considered. However, under no circumstance may flight damage be grounds for disqualification.

## **Construction Rules for ALL Rockets:**

**Purpose: These rules apply to the construction of all rockets displayed in the STEM division.**

1. Rockets are to be properly assembled according to the assembly instructions.
2. Beginner kits with prefabricated (molded plastic) fin assemblies and pre-finished rockets requiring no painting are not acceptable at the State Fair, and will be disqualified.
3. Plastic snap together fins and prefabricated fin assemblies that do not require fin alignment are not acceptable, and will be disqualified.
  - a. This rule does not apply to plastic fins that must be manually aligned and do not utilize a fin alignment mechanism, including, but not limited to fin alignment rings or spacing blocks.
  - b. This rule does not apply to fiberglass, Kevlar, composite, or wood fins; especially when used for “through-the-wall” fin attachment techniques that are common in larger rockets.
    - c. In addition, plastic parts for decorative and mechanical purposes (i.e. decorative nozzles and moving landing struts) are not considered fins and can consist of plastic. Decorative nozzles, etc. need to be securely fastened and not pose a safety hazard.
    - d. Fin assemblies that are printed using a 3D printer are excluded from this rule. Through detailed instructions on the creation of the fin assemblies must be provided and an additional page of photos may be included to show the creation/printing of fin assemblies.
4. Angles of fins must fall within a plus or minus 2 degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from <http://rocketry.engtech4ks.com/>
5. Fins should be rounded or streamlined according to instructions. If the other edges are rounded to reduce drag on all exposed sides, there should be no ribbon deduction, unless instructions indicate to leave flat.
6. Fins and body tubes are to be sealed with filler, sanding sealer and/or primer to eliminate the appearance of body grooves and woodgrain.
7. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
8. Engine mounts are to be securely attached to the body tube.
9. Any seams on plastic parts are to be sanded smooth.
10. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials. However, foam may not be used for external body or other external rocket parts.
11. The nose cone is to fit snugly but still allow for easy removal. If the shock cord frequently becomes stuck between the nosecone and body, it should be trimmed.
12. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly. The rocket should be free of “runs,” “orange peel,” or “crackling” in the finish.
13. Non-standard surfacing (such as textured paint) may be used if directed by the instructions, this includes scratch built rockets.

14. Models may not be judged based on their paint scheme (colors and placement on the rocket), with the exception of rockets that fit the definition of a “scale model.” All other rockets do not have to follow the suggested paint scheme, allowing the 4-Her to display maximum creativity in the finishing of their rocket. a. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the model from one ribbon placing to another.

15. “Scale models” exhibited in the scale mode class, may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.

16. Scale Model Rockets exhibited in the scale mode class, are to be finished and completed with a majority (greater than 70%) of decals.

17. If a modification is made to the rocket, for example, adding a fin, a swing test must be conducted on the rocket, and the documentation provided. Failure to test and document flight stability following modifications will result in two ribbon placing deductions. Changes to the paint scheme, changes/reduction in decals, and other non-structural changes are not considered modifications and do not require a swing test.

### **Model Rocketry Specific Guidelines (ages 7 and up):**

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

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

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

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

1. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
2. Original design rockets must be designed by the exhibitor(s).
3. Original design rockets must include detailed instructions, so that someone could construct the original designed rocket just like a kit purchased at a store. Instructions can be as many pages as needed to convey full and complete construction techniques.
4. Original design rocket instructions should not include copies of instructions in part or in whole from existing kits without crediting the source instructions. For example, “Fin alignment template from Estes Baby Bertha.”
5. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for

stability prior to flying. Swing testing of the rocket is required. Other tests and calculations are 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.

#### **Division A -Exhibitors 7 through 13 years old**

Class 3800 Rocket made from kit. Include plans.

#### **Division B -Exhibitors 11 through 13 years old (7-10 year olds may not enter in this class)**

Class 3805 Rocket designed by exhibitor; not merely a modification of an existing kit.

Include original plans.

#### **Division C -Exhibitors 14 years and older**

Class 3810 Rocket made from kit. Include plans.

Class 3811 Rocket designed by exhibitor; not merely a modification of an existing kit.

Include original plans.

Class 3812 Rocket designed by exhibitor that uses alternative skins; not merely a modification of an existing kit. Include original plans.

#### **Division D -Exhibitors 11 years and older**

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

Class 3815 Rocket designed by 2 or more exhibitors; not merely a modification of an judging of rockets that meet the requirements of 4-H high power rockets.

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

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

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.
3. In addition to the information packet completed for all rockets, a high/mid power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://www.kansas4-H.org/>. Click on KSF Packet link.
4. Exhibitors in this division must hold memberships in either NAR or Tripoli organizations.
5. The NAR Model Rocket Safety code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current year. However in the event that there is a modification in this code the Engineering and Technology Project Partnership Team may review and implement the modified code.
6. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed



the rocket.

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

8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information, launch location and date.

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

Division E- Exhibitors 14 years and older

Class 3816 Mid-power rocket made from kit or original design.

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

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

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

2. The rules for ALL categories apply.

3. In addition to the information packet completed for all rockets, a high power information form is to be completed and placed inside of the information packet. This may be downloaded from <http://rocketry.engtech4ks.com/>.

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

5. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However in the event that there is a modification in this code the Engineering and Technology Project Partnership Team may review and implement the modified code.

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

7. For rockets launched using an engine(s) that have 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification. The 4-H member should also hold or be attempting to attain their level 1 high power certification, and should include supporting documentation of such (a copy of Level 1 card is sufficient).

8. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information, launch location and date.

9. High Power Rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to

exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

### **Division F -Exhibitors 14 years and older**

Class 3820 High power rocket made from kit or original design.

#### **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 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://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 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.

### **Educational Displays – Aerospace/Rocketry**

#### **Rocketry – Intermediate Division (Ages 9 – 13)**

5741 Rocketry Educational Display

5742 Rocketry Notebook

5743 Rocketry Poster Board

#### **Rocketry – Senior Division (Ages 14 years and older)**

5746 Rocketry Educational Display

5747 Rocketry Notebook

5748 Rocketry Poster Board

## **4-H UNCREWED AERIAL SYSTEM**

### **Superintendents**

**Osage City: Jeff Whitmer**

**Overbrook: Jamie Guenther and Libby Thompson**

**Junior:**

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

1. The 4-H members must be currently enrolled in the 4-H project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibits must have been completed during the current 4-H year.
3. The information that accompanies the UAS must be limited to the 4-H Space Tech Exhibit Information Form which is affixed to a 10" X 13" envelope, This envelope should NOT be attached to the UAS. This may be downloaded from <http://rocketry.engtech4ks.com/> Any UAS exhibit not including this completed envelope will receive an automatic participation ribbon.
4. Each exhibit MUST include a video of the youth 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 the CD, DVD, USB drive, or similar.
5. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
6. Unmanned Aerial Systems that include or depict weaponry of any kind will be disqualified.
7. See the last section for full details about exhibiting posters, display boards and notebooks.

8. If modifications are made to the exhibit a page should be attached noting those modifications
9. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's exhibit, at the judges' discretion, will receive a participation ribbon.

### **Division A – Junior, 9-13 years old**

- Class 3830 Unmanned Aerial System designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- Class 3831 Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

### **Division B – Senior, 14 years and older**

- Class 3836 Unmanned Aerial Systems designed and constructed by exhibitor that is operated by a remote controlled device. The UAS must not be a mere modification of an existing kit or plan. You may not exhibit a UAS that is purchased off the shelf in this class.
- Class 3837 Practical application of an Unmanned Aerial System constructed from a commercial (purchased) kit. This includes the UAS, plus one or more of the following: video, notebook, poster, display board, etc. This class is separate from educational exhibits. A tangible use would be mapping Russian olive trees, eroded soils, and bindweed in fields, etc. There are also many other non-agricultural UAS uses that would be appropriate for this class.

## **4-H STEM Educational Exhibits - Posters, Notebooks and Display Boards**

1. The General Exhibit rules for ALL categories apply.
2. Entries must have been selected at the county level for entry at the Kansas State Fair. Counties/Districts should select top blue or purple ribbon Educational Rocketry Exhibits which meet State Fair guidelines.
3. 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 division dated prior to current year are void for use and new forms must be obtained and used that are dated by the Kansas State 4-H Office for the current year.
4. 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 and a link to that video included in a file titled "VideoLink" or printed on a separate sheet of paper. These videos may also be considered for inclusion in a running video loop in the area at the State Fair after review by judges, chair(s) and extension staff. Adult guardians must complete

Video Release included with the exhibit form. If the release is not completed the video will not be included in the video loop on display in the Engineering and Technology area of the Kansas State Fair.

5. Uncrewed aerial system exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.

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 judges' 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.

13. 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 3888 Senior Computer Notebook

### **Uncrewed Aerial Systems - Intermediate Division – 7-13 years old**

Class 3891 Junior Uncrewed Aerial Systems Educational Poster

Class 3892 Junior Uncrewed Aerial Systems Display Board

Class 3893 Junior Uncrewed Aerial Systems Notebook

### **Unmanned Aerial Systems - Senior Division – 14 years and older**

Class 3896 Senior Uncrewed Aerial Systems Educational Poster

Class 3897 Senior Uncrewed Aerial Systems Display Board

Class 3898 Senior Uncrewed Aerial Systems Notebook

### **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 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://uas.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.

### **Uncrewed Aerial System – Intermediate Division (Ages 7 – 13)**

5781 Intermediate Uncrewed Aerial System Educational Poster

5782 Intermediate Uncrewed Aerial System Display Board

5783 Intermediate Uncrewed Aerial System Notebook

### **Uncrewed Aerial System – Senior Division (Ages 14 years and older)**

5786 Senior Uncrewed Aerial System Educational Poster

5787 Senior Uncrewed Aerial System Display Board

5788 Senior Uncrewed Aerial System Notebook

## 4-H WILDLIFE

Osage City: Jeff Whitmer

Overbrook: Jamie Guenther and Libby Thompson

Junior:

1. 4-H members 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. Name, county or district, age and year in project should be in a prominent location on the exhibit.

4. KSRE, 4-H Youth Development and the Osage County Fairboards are not responsible for damage during the exhibition period.

### Display/Notebook Classes

5400 Notebook. Contents pertain to some phase, results, story or information about the wildlife project.

5401 Promotional Poster. Must be related to something learned in the wildlife project. (Flat poster board or foam board no larger than 22" x 28").

5402 Educational Display. Must be directly related to the wildlife project. Maximum tri-fold size is 3' x 4'.

### Experiential/Other Classes

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.

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 number of 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. Exhibit will be judged on: workmanship, labeling of parts, information, and neatness.

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, 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.

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: the purpose of each item, when or where it is used and personal experiences with the item.

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 shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype, and any adjustments you made.

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. All field experiences, study, OR observations that relate to the exhibit.

**5409 Taxidermy** - (SF172) - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting. Include the animal's name and the following: information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

**5410 Wildlife Tracks** - (SF158) - Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. - Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) - Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR) - Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

**5411 Wildlife Knowledge Check** - (SF159) - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches.

**5412 - Houses** - (SF165) - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations from experiences.

**5413 Feeders/Waterers** - (SF166) - Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; **no insect feeders**. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where are how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences.

## **4-H WOODWORKING**

**Osage City: Dustin Stucky Junior: Brody Thompson, Cole Thompson**

**Overbrook: Burlingame 4-H Club**

1. Each exhibitor is limited to one article per class.
2. The plan from which the exhibit was constructed must be with the article. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide. **PLEASE NOTE: A SET OF STEP BY STEP INSTRUCTIONS IS NOT A PLAN.**
3. Any project that has glass that is not secured, i.e., glass shelves, glass top of a coffee table, etc., should not be brought to the fair. Glass that is secured in the project, i.e., glass front of a gun case or cabinet, etc., is permissible since it cannot be removed from the project.
4. The entry card, plans and all other paperwork should be enclosed 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.
5. Refinished/repaired furniture should be exhibited in Home Environment.
6. Projects made from pre-cut kits are not allowed.



7. In judging woodwork articles, consideration will be given to Workmanship, including accuracy to the plan; Design; Choice of wood; Suitability and quality of finish; and usefulness.

8. Firearms and weapons are not to be entered or displayed.

9. Projects with missing or insufficient plans will be lowered one ribbon placing (i.e. a blue ribbon exhibit will receive a red ribbon).

Class 3950 Article for farm or shop use.

Class 3951 Furniture for household or lawn use.

Class 3952 Other woodwork. Articles not included in above classes Including any article made from a kit.  
Examples: bird houses, bird feeders, household equipment such as knife racks, bread boards,  
door stops, etc.

## OSAGE COUNTY 4-H COOKIE JAR CONTEST

Osage City: Chelsi Ford, Kathi Webster Junior: Allie Kneisler

Overbrook: Keri Harris

Each county-wide 4-H Community Club or county-wide 4-H Project Club are encouraged to make one entry in the 4-H Cookie Jar Contest. The cookie jars can be displayed at the Osage City Osage County Fair, and the Overbrook Osage County Fair. New cookies should be prepared for each fair.

The Overbrook Osage County Fair will sell the top three jars at their Livestock Auction. **Proceeds will go to the Osage County 4-H Council.** Cookie jars will only sell at Overbrook, NOT at Osage City. Fresh cookie for the buyers are recommended prior to the sale for the top three jars as well.

Fancy assorted cookies in a clear glass, wide mouth attractively decorated jar of 1 gallon capacity.

1. Jar must be decorated using a theme of your own choice.
2. Decorations may not extend more than approximately 4 inches beyond the jar.
3. Cookies should be visible through at least 50% of the jar.
4. Decorations will count for 50% and quality of cookies for 50%.
5. Jar must be filled with not less than 5 different kinds of cookies, from different batters and dough.
6. Each cookie should be wrapped separately in clear plastic wrap.
7. In addition to the cookie jar, display one of each kind of cookie on a paper plate. Clearly identify and individually wrap each cookie, so that the judge will not need to open the cookie jar.

Class 4000 4-H Cookie Jar

## **BOY SCOUTS OF AMERICA**

### **Osage City: Marjorie Vaughan and Dorothy Christianson**

1. Competitive exhibition is open to all registered Boy Scouts in good standing. Limited to three (3) entries. Only 1 (one) entry is allowed in each class and the Scout can enter exhibits in only one classification (Tigers, Cubs, etc.) with the exception of Cubs who can exhibit in 02 and 03 and Webelos who can exhibit in 03 and 04. Classification for entries will be made on Scout registration for this current year.
- 2 Articles must have been made within the past year by the Scout and never previously exhibited at the Fair except for collections which may be exhibited more than once if new additions are made, labeled and dated.
- 3 Cookies and candy should include 6 pieces. All baked goods, candies & jellies & jams must have a typed recipe on 8 ½" X 11" sheet with name, address and phone number on bottom left corner.

Class BS100 Tiger Cubs - 01

Class BS200 Cub Section - 02

Class BS300 Cubs & Webelos Section - 03

Class BS400 Webelos - 04

Class BS500 Boy Scouts - 05

## **GIRL SCOUTS OF AMERICA**

### **Osage City: Marjorie Vaughan and Dorothy Christianson**

1. Competition is open to all registered Girl Scouts 5-18 years old.
2. Exhibit articles must have been made by the exhibitor since last year's Fair. Limited to three (3) entries.
3. Classification for entries will be made on Scout registration from the past year.
4. Canning: Use the updated USDA prescribed method.
5. Gardening entries must have been grown in Kansas by the person entering the exhibit.
6. Collections may be entered in consecutive years, provided new additions are dated.

**OPEN CLASS EXHIBITS**

**OPEN CLASS DUCT TAPE CONTEST**

**Osage City: Marjorie Vaughan and Dorothy Christianson**

1. Items may be made with any color duct tape.
2. Items must be created using 90% duct tape.
3. Each Exhibitor may enter only one item per class.
4. Create your own category is an opportunity to show creativity. Items should be made with a good clean wholesome nature. No vulgar or suggestive decorations will be allowed.

Judging Criteria

40%.....	Workmanship
30%.....	Creativity
20%.....	Appearance
10%.....	Difficulty

Class DT 100 Hat

Class DT 101 Purse/Wallet

Class DT 102 Clothing

**OPEN CLASS RECYCLING**

**Osage City: Marjorie Vaughan and Dorothy Christianson**

1. Recycled items could be an object that is being used for something else rather than its original purpose. Example: recipe box that had been made from other paper products.
2. If 3 or more persons enter the same recycling class item, a new class may be named.
3. **Osage Salvage and Recycling** will sponsor one Grand Champion for Juniors and one Grand Champion for Seniors for Osage City only.

**Division A - Jr. - 14 years old and under as of January 1, current year**

Class JRC1 Antiques

Class JRC2 Baking

Class JRC3 Clothing and Textiles (quilts, needlework, clothing, rugs)

Class JRC4 Crafts (ceramics, wreaths, woodworking, models, etc)

Class JRC5 Crocheting

- Class JRC6 Farm Crops
- Class JRC7 Farm Mechanics
- Class JRC8 Fine Arts (painting, drawings, printmaking)
- Class JRC9 Floriculture
- Class JRC10 Food Preservation
- Class JRC11 Garden
- Class SRC9 Floriculture
- Class SRC10 Food Preservation
- Class SRC11 Garden
- Class SRC12 Knitting
- Class SRC13 Photography
- Class SRC14 Quilts

## **OPEN CLASS HORTICULTURE AND CROPS**

**Osage City : Jenny Tate, Donna Marie Anderson**

**Overbrook: North Osage 4-H**

1. Secure entry form to plate or container with string or tape.
2. All exhibits, except soybeans, must be grown by exhibitor this year. 1 entry per person per vegetable.
3. Please feel free to bring in any home grown garden produce and we will make a class for it.

In honor of Mary Lou Stromgren, a special award will be given at the Osage City Fair.

Class H0                      Vegetable Garden Display

Each exhibitor in this class will be limited to four square feet of space. The Vegetable Garden Display should be exhibited in a tray, basket or container that can be easily moved by the fair staff.

The exhibit consists of five different fresh vegetables. Canned vegetables and shelled vegetables are not acceptable. Only one variety of each type of vegetable may be exhibited. The numbers of the five types of vegetables to be exhibited are as follows:

### **Large Vegetables– One Each**

Cabbage                      Large Pumpkin

Cantaloupe	Squash
Eggplant	Watermelon

**Medium Vegetables– Three Each**

Beets	Tomato	Sweet Potato
Okra	Decorative Gourds	Carrot
Potato	Mini Pumpkin	Cucumber
Peppers	Onion	

**Small Vegetables– Six Each**

Green Snap Beans	English Peas
Wax Beans	Vegetable similar size

- Class H1 Small vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, lima beans, other small vegetables.
- Class H2 Medium vegetable specimen plate (5) Ex: cucumbers -slicing, cucumbers - pickling, cherry tomatoes, red tomatoes, yellow tomatoes, canning tomatoes, beets, white onions, yellow onions, red onions, bell peppers, yellow banana peppers, Jalapeno peppers, other peppers, okra, parsnips, turnips, rhubarb, sweet potatoes, red potatoes, white or Russet potatoes, carrots, other medium vegetables.
- Class H3 Large vegetable specimen plate (1) Ex: watermelon, yellow summer squash, butternut squash, acorn squash, zucchini squash, baker & slicer zucchini, pumpkin, eggplant (2), cabbage, cantaloupe, honey dew cantaloupe, pumpkin, other large vegetable.
- Class H4 Fresh Culinary herbs (6) Ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of ONE VARIETY of fresh herbs exhibited in a disposable container of water. Dried herbs are not accepted.
- Class H5 Small fruit specimen plate (Ex. - 5 bunches of grapes - white, light, or dark varieties; ½ pint box - strawberries, raspberries, etc.)
- Class H6 Medium fruit specimen plate (Ex. - 5 apples (Delicious, Jonathan and other varieties - judged together), 5 peaches, 5 plums, 5 pears, etc.)
- Class H7 Largest tomato
- Class H8 Largest pumpkin
- Class H9 Plate of 3 ornamental (small) pumpkins
- Class H10 Largest watermelon

Class H11	Largest cantaloupe
Class H12	Plate of 3 gourds
Class H13	Plate of 5 garlic
Class H14	Largest zucchini
Class H15	Miscellaneous

## Grains

1. Products exhibited in this division must have been grown in the current year, with the exception of soybean seed and edible field bean seed.
2. Exhibits should be as mature as possible.
3. May exhibit a maximum of one entry per class.
4. Every entry must be identified by hybrid or variety name.
5. All classes calling for a gallon sample may have a 2 ½" to 3" in diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarts.

### **Corn-Ten Ear Exhibit**

- |           |  |
|-----------|--|
| Class H21 | White. Variety or hybrid must be named.  |
| Class H22 | Yellow. Variety or hybrid must be named. <b>Sorghum-Ten Head Exhibit</b>                           |
| Class H23 | Hybrid grain sorghum. Hybrid must be named.  |
| Class H24 | Hybrid forage sorghum. Exhibit to consist of the entire plant; no roots.<br>Hybrid must be named.  |
| Class H25 | Other forage sorghums. Exhibit to consist of the entire plant; no roots.<br>Variety must be named. |

### **Wheat-One Gallon Sample**

- |           |   |
|-----------|---|
| Class H26 | Soft red winter wheat. Variety or hybrid must be named. |
| Class H27 | Hard red winter wheat. Variety or hybrid must be named. |
| Class H28 | Hard white wheat. Variety or hybrid must be named.      |

### **Sunflowers**

- |           |   |
|-----------|---|
| Class H29 | Confectionery heads. 3 heads must be submitted.             |
| Class H30 | Confectionery seeds in jar. 1 gallon jar must be submitted. |

Class H31 Oil seed heads. 3 heads must be submitted.

Class H32 Oil seeds in jar. 1 gallon jar must be submitted.

Class H33 Largest sunflower head.

### **Other Crops**

Class H34 Oats: Exhibit to consist of one gallon sample. Variety must be named.

Class H35 Barley: Exhibit to consist of one gallon sample. Variety must be named.

Class H36 Alfalfa: Exhibit to consist of one gallon sample. Variety must be named.

Class H37 Alfalfa Hay: Exhibit to consist of one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions. Variety must be named.

Class H38 Grass Hay: Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.

Class H39 Brome Grass: Exhibit to consist of one gallon sample of seed.

Class H40 Other Tame Grasses: Exhibit to consist of one gallon sample of seed.

Class H41 Soybeans: Exhibit to consist of one gallon sample of seed from most recent harvest. Variety must be named.

Class H42 Soybeans: Bundle of five plants from most recent harvest. Variety must be named.

Class H43 Edible field beans: Exhibit to consist of one gallon sample of seed from most recent harvest.

Class H44 Edible field beans: Bundle of five plants (with roots intact) from most recent harvest.

Class H45 Miscellaneous Crops: Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named.

Class H46 Honey, combed.

Class H47 Honey, extracted, (3) - 2 lbs. Queenline jars.

### **Youth Under 15 Years of age**

1. Follow guidelines in open class horticulture and crops regarding entries.

Class H48 Small vegetable

Class H49 Medium vegetable

Class H50 Large vegetable

Class H51 Herb

Class H52 Small fruit

Class H53	Medium fruit
Class H54	Corn
Class H55	Sorghum
Class H56	Wheat
Class H57	Sunflower
Class H58	Other Crop

### **OPEN CLASS DOMESTIC ARTS**

Osage City: Kathi Webster and Chelsi Ford

Overbrook: Jamie Guenther and Libby Thompson

1. Entries that have previously won premiums at any Osage County Fair will be graciously displayed, but will not compete for prizes.
2. Entries are to be brought by the person responsible for making the item unless arrangements are made with the fair Secretary.
3. There will be a limit of 5 entries per person, per class.
4. Classes have been made for the most popular items entered in recent years, additional classes will be made if 3 or more items are entered, otherwise they will be entered in the Misc. class for each division.
5. Articles must have been made within the last 3 years with the exception of wearing apparel classes which must have been made in the current year only.

### **Quilts**

Class A1	Best, oldest quilt (state year made)
Class A2	Quilt, Patchwork (hand)
Class A3	Quilt, Patchwork (machine)
Class A4	Quilt, Appliqué
Class A5	Quilt, Embroidered
Class A6	Quilt, Child's Crib
Class A7	Quilt, Creative or "just for fun"
Class A8	Quilts, Other
Class A9	Quilt Tops



- Class A10 Quilt for quilting only (white work)
- Class A11 Wall Hanging
- Class A12 Quilt by Organization or Family
- Class A13 Quilted Pillows
- Class A14 Miniature Quilts
- Class A15 Quilt Set (ex: shams and quilt)
- Class A16 Miscellaneous
- Class A17 Table Runner – Quilted
- Class A18 Table Topper - Quilted

### **Handiwork**

- Class A30 Table Place Mats (4 Table Service) any type
- Class A31 Pillowcases (with knitted or crocheted edges)
- Class A32 Pillowcases (1 pair) embroidered
- Class A33 Pillowcases, tatted
- Class A34 Pillowcases
- Class A35 Afghan, Crocheted or knitted
- Class A36 Afghan, Baby (crocheted or knitted)
- Class A37 Afghan, Knitted (adult)
- Class A38 Rugs
- Class A39 Rug, Braided
- Class A40 Rug, Crocheted
- Class A41 Rug, Unclassified
- Class A42 Doily
- Class A43 Best Dish Towels (3) any variety
- Class A44 Best Pot Holders (3) any variety
- Class A45 Crocheted Baby or Infant Item
- Class A46 Knitted Baby or Infant Item
- Class A47 Any Article, Knitting or Crocheting
- Class A48 Small Crocheted Piece

Class A49 Cowl or Scarf, Knitted or Crocheted

Class A50 Miscellaneous

### **Clothing**

Class A70 Children's Clothing

Class A71 Adult Clothing

Class A72 Dress for Adult

Class A73 Blouse

Class A74 Quilted Jacket

Class A75 Sweatshirt – Decorated

Class A76 Miscellaneous

Class A77 Purse

### **Fine Arts**

Class A80 Acrylic Painting

Class A81 Watercolor, Tempera, etc.

Class A82 Painting, Mix Medium

Class A83 String Art

Class A84 Macrame

Class A85 Charcoal or Pastel

Class A86 Wood Carving or Burning

Class A87 Barn Quilts

Class A88 Christmas Ornament

Class A89 Pencil & Ink Drawing

Class A90 Miscellaneous

Class A91 Oil Painting

### **Miscellaneous Fine Arts**

Class A100 Leather

Class A101 Needlepoint

Class A102 Latch Hook

Class A103 Crewel Embroidery

Class A104 Other Creative Stitchery

Class A105 Holiday or Seasonal Craft

Class A106 Applique'

Class A107 Weaving

Class A108 Paper Crafts

Class A109 Other

### **Counted Cross Stitch**

Class A120 Counted Cross Stitch

Class A121 Counted Cross Stitch Miniatures

### **Ceramics**

Class A130 Ceramics, Under glaze

Class A131 Ceramics, Glaze

Class A132 Ceramics, Over glaze

Class A133 Ceramics, Stained

Class A134 Ceramics

### **China**

Class A140 China Painting

### **Dolls**

Class A150 Dolls

### **Youth Art Work For youth under 15**

Class A160 Number Painted Pictures

Class A161 Hand-Painted Item

Class A162 Crocheted or Knitted items

Class A163 Paintings

Class A164 Drawing

Class A165 Ceramics

Class A166 Pottery

Class A167 Needlecraft

Class A168 Children's Photo

Class A169 Leather

Class A170 Latch Hook

- Class A171 Paper Crafts
- Class A172 Wood Crafts
- Class A173 Miscellaneous Crafts
- Class A174 Quilting

**Wheat Art (Overbrook Only)**

- Class A180 Article Handmade Using Wheat
- Class A181 Basketry

**Antique and Hobbies (Overbrook Only)**

- Class A190 Collection of China, 6 pieces
- Class A191 Collection of Glass, 6 pieces
- Class A192 Piece of Refinished Furniture
- Class A193 Collection, Such as Buttons, Salt & Pepper Shakers, Stamps, Coins, Rocks, Autographs, Etc.
- Class A194 Photography, Miscellaneous
- Class A195 Photography, Group of Pictures
- Class A196 Miscellaneous

**OPEN CLASS DOMESTIC SCIENCE**

Osage City: Kathi Webster, Chelsi Ford

Overbrook: North Osage 4-H

1. Food will be sold after judging with all proceeds to go to 4-H Council. **If you do not want to donate your baked goods, please instruct the superintendent to the effect upon entering.**
2. All food except pies must be on disposable plates and covered with a clear bag.
3. Entire product must be entered and uncut. Exhibit 3 cookies, 3 muffins, 3 rolls, etc.

**Bread & Rolls**

- Class S1 Loaf - Yeast White Bread
- Class S2 Loaf - Yeast Wheat Bread
- Class S3 Loaf - Yeast Rye Bread
- Class S4 Loaf - Yeast Miscellaneous
- Class S5 Variety Bread (yeast, french, holiday, raisin, oatmeal, etc.)
- Class S6 Loaf Quick Bread (non yeast, fruit)

Class S7	Loaf Nut Bread ( non-yeast, no fruit)
Class S8	Bread Machine Bread
Class S9	Cinnamon Rolls
Class S10	Fancy Yeast Rolls
Class S11	Plain Yeast Rolls
Class S12	Swedish Tea Ring (yeast)
Class S13	Coffee Cake (non yeast)
Class S14	Muffins (any kind)
Class S15	Sugar-Free Muffins
Class S16	Cornbread
Class S17	Baking Powder Biscuits

### **Cakes**

**Display cakes on plate the size of cake. One piece will be cut by judge**

Class S31	White Angel Food (iced or un-iced)
Class S32	White Layer (iced)
Class S33	Chocolate Layer (iced)
Class S34	Burnt Sugar Layer (iced)
Class S35	Lady Baltimore Layer (iced)
Class S36	Chiffon or Sponge (iced)
Class S37	Bundt (iced or un-iced)
Class S38	Decorated sheet cake
Class S39	Cupcakes (iced)
Class S40	German Chocolate
Class S41	Spice
Class S42	Decorated Layer Cake
Class S43	Cake from Mix
Class S45	Whole Wheat Angel Food
Class S46	Miscellaneous

## **Cookies**

- Class S51 Brownies
- Class S52 Refrigerator
- Class S53 Rolled
- Class S54 Drop
- Class S55 Bar Cookies
- Class S56 Decorated Cookies
- Class S57 No Bake Cookies
- Class S58 Sugar-Free Cookies

## **Pies**

**Entrants must state if the filling is bought or homemade. All pies in 8" or larger pie tins.**

- Class S61 Cherry
- Class S62 Apple
- Class S63 Berry
- Class S64 Apricot
- Class S65 Peach
- Class S66 Sweepstakes Pie - Overbrook Only

## **Candy**

**3 Pieces each display on plate.**

- Class S71 Peanut Brittle
- Class S72 Fudge (caramel, peanut butter, or chocolate)
- Class S73 Divinity
- Class S74 Mints
- Class S75 Cream
- Class S76 Your Choice
- Class S77 Assorted

## **Canned Foods**

Kerr or Ball standard quart or pint jars with matching lid (flat). Recommended methods of processing must be used. **Open kettle processed foods are not acceptable. Paraffin seals not acceptable. Pickles and sweet spreads need to be water bathed.** Rings must be left on jars to be judged. See Extension Office for canning instructions.

- Class S81 Canned Fruit
- Class S82 Canned Vegetables
- Class S83 Canned Juice
- Class S84 Best Collection of 3 Canned Fruit
- Class S85 Best Collection of 3 Canned Vegetables

### **Pickles and Relishes --Any brand standard pint or quart jars**

- Class S91 Sweet
- Class S92 Dills
- Class S93 Peaches
- Class S94 Beets
- Class S95 Bread and Butter
- Class S96 Chow Chow
- Class S97 Best Collection of 5
- Class S98 Taco Sauce
- Class S99 Salsa
- Class S100 Spaghetti Sauce
- Class S101 Catsup
- Class S102 Relish
- Class S103 Miscellaneous

### **Preserves and Marmalade --Any brand standard pint or quart jars**

- Class S111 Strawberry
- Class S112 Peach
- Class S113 Cherry

Class S114 Apricot Marmalade

Class S115 Orange Marmalade

Class S116 Miscellaneous

**Jams and Butters --Any standard pint or jelly jars**

Class S121 Raspberry

Class S122 Blackberry

Class S123 Peach

Class S124 Plum

Class S125 Apricot

Class S126 Apple Butter

Class S127 Grape

Class S128 Cherry

Class S129 Miscellaneous

**Jellies --Standard jelly glasses with covers or pint jars**

Class S131 Grape

Class S132 Apple

Class S133 Crabapple

Class S134 Plum

Class S135 Blackberry

Class S136 Gooseberry

Class S137 Raspberry

Class S138 Cherry

Class S139 Best Collection of 5

Class S140 Sugar Free Jelly

Class S141 Honey

Class S142 Miscellaneous

**Canned Meats --Any standard quart or pint jars**

Class S151 Beef

Class S152 Pork

Class S153 Fish



Class S154 Chicken

Class S155 Best collection of meats in standard jars, including 1 chicken, 1 pork, and 1 beef

**Dried Foods**

Class S161 Fruit, 1 kind (4 pieces or more)

Class S162 Meat, 1 kind (4 pieces or more)

Class S163 Vegetables, 1 kind (4 pieces or more)

**Youth Under 15 Years of Age**

Display all items, except jelly, on a paper plate covered with food grade plastic bags, or in boxes. Entire product must be entered and uncut. Exhibit 3 cookies, 3 muffins, 3 rolls, etc.

Class S171 Angel Food Cake (un-iced)

Class S172 Cupcakes (iced, from mix)

Class S173 Cupcakes (iced)

Class S174 Bar Cookies

Class S175 Loaf of Yeast Bread (white, whole wheat or rye)

Class S176 Baking Powder Biscuits

Class S177 Jelly, any kind, 1 glass with cover

Class S178 Fruit Pie

Class S179 Candy, any kind

Class S180 Decorated Cakes

Class S181 Layered Cake - Frosted

Class S182 Drop Cookies

Class S183 Brownies

Class S184 Loaf Quick Bread

Class S185 Yeast Rolls

Class S186 No Bake Cookies

Class S187 Machine Bread

Class S188 Muffins

Class S189 Snacks

Class S190 Jam, any kind standard jar or glass with cover

Class S191 Canned Vegetables

## **OSAGE COUNTY OPEN CLASS COOKIE JAR CONTEST**

**Osage City: Kathi Webster, Chelsi Ford**

**Overbrook: North Osage 4-H Club**

Fancy assorted cookies in a clear glass, wide mouth attractively decorated jar of 1 gallon capacity.

1. Jar must be decorated using a theme of your own choice.
2. Decorations may not extend more than approximately 4 inches beyond the jar.
3. Cookies should be visible through at least 50% of the jar.
4. Decorations will count for 50% and cookies for 50%.
5. Jar must be filled with not less than 5 different kinds of cookies, from different batters and dough.
6. Each cookie should be wrapped separately in clear plastic wrap.
7. In addition to the cookie jar, display one of each kind of cookie on a paper plate. Clearly identify and individually wrap each cookie, so that the judge will not need to open the cookie jar.
8. Open Class Cookie jars do NOT sell at Overbrook.

Class 290      Cookie Jar (Open Class)

## **OPEN CLASS PHOTOGRAPHY**

**Osage City: Kara Thompson & Sharon Thielen    Junior: Avery Thielen**

**Overbrook : Jamie Guenther and Libby Thompson**

1. Exhibits will be judged and ranked in each class according to merit. Championship ribbons will be awarded to the top exhibits overall in the Photography division if there are sufficient entries to warrant.
2. Photographs must be taken by the entrant, but the entrant need not have processed the film or print.
3. No "signed prints" may be entered.
4. Photographs may have been taken at any time, entered in other contests or have been previously published.
5. Enlargements are to be 4" x 6" or larger and to be mounted on mats not to exceed 16" x 20".
6. Photos are judged on eye appeal, composition, and technique.
7. Class numbers ending with A are for amateurs; class numbers ending with P are for professionals; and class numbers ending with J are for Juniors - 15 years old and under.

Class P100A    People

Class P100P    People

Class P100J    People

Class P200A    Photojournalism (color or black & white)

- Class P200P Photojournalism (color or black & white)
- Class P200J Photojournalism (color or black & white)
- Class P300A Nature (color or black & white)
- Class P300P Nature (color or black & white)
- Class P300J Nature (color or black & white)
- Class P400A Animals (color or black & white)
- Class P400P Animals (color or black & white)
- Class P400J Animals (color or black & white)
- Class P500A Pictorial (color or black & white)
- Class P500P Pictorial (color or black & white)
- Class P500J Pictorial (color or black & white)
- Class P600A Computer manipulated photos: Manipulated does not include normal cropping, enlargement or color intensity treatment. Photo must be an original taken by the exhibitor. Exhibitor must provide a small (4" x 6" or smaller) original photo attached to the front of the mount.
- Class P600P Computer manipulated photos: Manipulated does not include normal cropping, enlargement or color intensity treatment. Photo must be an original taken by the exhibitor. Exhibitor must provide a small (4" x 6" or smaller) original photo attached to the front of the mount.
- Class P600J Computer manipulated photos: Manipulated does not include normal cropping, enlargement or color intensity treatment. Photo must be an original taken by the exhibitor. Exhibitor must provide a small (4" x 6" or smaller) original photo attached to the front of the mount.
- Class P700A Osage County Photography Class P700P Osage County Photography
- Class P700J Osage County Photography
- Class P800A Best Conservation Photo-Cover crops, waterways, terraces, pollinators, pest management, wild life habitat, water quality and soil health in Osage County.
- Class P800P Best Conservation Photo-Cover crops, waterways, terraces, pollinators, pest management, wild life habitat, water quality and soil health in Osage County.
- Class P800J Best Conservation Photo-Cover crops, waterways, terraces, pollinators, pest management, wild life habitat, water quality and soil health in Osage County.

## OPEN CLASS PLANTS AND FLOWERS

**Osage City: Donna Marie Anderson & Jenny Tate**

**Overbrook: Donna Marie Anderson**

Exhibitors must use clear glass except on arrangements where vases may be used. Plants must be growing in pots 2-3 months before Fair entry date. **Osage City Fair Only** - One entry per class per exhibitor. Five points will be given for each blue ribbon, three points for each red ribbon, and one point for each white.

### **Plants**

- Class F1 Philodendron
- Class F2 African Violet
- Class F3 Begonia
- Class F4 Cactus
- Class F5 Swedish Ivy
- Class F6 Best Collection of 4 Plants in Separate Pots
- Class F7 Hanging Basket, Blooming
- Class F8 Ice Plant
- Class F9 Hybrid Portulea
- Class F1 Miscellaneous plants

### **Cut Flowers**

- Class F21 Gladioli, 1 Stem
- Class F22 Rose, 1 Bloom
- Class F23 Large Dahlia, 1 Bloom
- Class F24 Small Dahlia, 1 Bloom
- Class F25 Snapdragon, 1 Stem
- Class F26 Cosmos, 5 Stems
- Class F27 Aster, 5 Stems
- Class F28 Lilies, 1 Stem
- Class F29 Petunias, 3 Stems
- Class F30 Petunias, Ruffled or Doubled
- Class F31 Large Zinnias, 5 Stems
- Class F32 Small Zinnias, 5 Stems
- Class F33 Zinnias, Largest Bloom

- Class F34 Large Marigolds, 5 Stems
- Class F35 Small Marigolds, 5 Stems
- Class F36 Marigolds, Largest Bloom
- Class F37 Cannas, 1 Stem
- Class F38 Cockscomb, 1 Stem
- Class F39 Periwinkle, 3 Stems
- Class F40 Impatiens, 3 Stems
- Class F41 Chrysanthemums, 1 Stem
- Class F42 Daisies, 3 Stems
- Class F43 Miscellaneous cut flower

**Arrangements of Home Grown Flowers Exhibitors may use vase or container of choice**

- Class F51 Kansas Theme arrangements
- Class F52 Best arrangement, using all roses
- Class F53 Arrangement of mixed flowers, at least 4 kinds
- Class F54 Best arrangement, using all white flowers (no wild flowers)
- Class F55 Winter arrangement (all dried material)
- Class F56 Arrangement, using all one kind (except roses)
- Class F57 Artificial flower arrangement
- Class F58 Best arrangement using any 2 kinds of flower with greenery
- Class F59 Perennial arrangement, container judged
- Class F60 Annual arrangement, container judged
- Class F61 Wild Flower arrangement (5 or more)
- Class F62 Best Miniature arrangement (3" or less in height)
- Class F63 Terrariums
- Class F64 Cactus and other succulents

**Youth Under 15 Years of Age**

1. Follow guidelines in open class plants and flowers regarding entries.

- Class F71 Plants
- Class F72 Cut Flowers
- Class F73 Arrangement

**Frontier Extension District Lyndon Office**

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**Extension Agents and Office Staff**

Rebecca McFarland.....Extension Director  
 Jessica Flory.....4-H Youth Development  
 Rod Schaub.....Livestock Production  
 Janae McNally.....Adult Development and Aging & Family Resource Management  
 Jo Hetrick-Anstaett.....4-H Program Manager  
 Janaya Reed.....Financial Manager/Office Professional

**Join 4-H**

Contact any of the following Club Leaders in your area or the Extension Office for details about 4-H.

Burlingame.....Carolyn Lowry or KC Bond  
 Clover Wranglers.....Contact Office  
 Lyndon Leaders..... Kristin Kneisler  
 Melvern Jr. Highline.....Lisa Reeser or Caleb McNally  
 North Osage.....Jamie Guenther or Hope Koger  
 Willing Workers..... Kara Thompson, Pam Whitmer or Collen Stucky