



Interstate Fair and Rodeo
4-H Division
2024



Monday, August 12, 2024

Check-in all exhibits: 9-10:30 a.m.

Coffeyville Recreation Building
508 Park St, Coffeyville, KS 67337

Consultative Foods Judging: starts at 9 a.m. in order you arrive

All other judging will be 1:00-5:00 p.m. non-consultative and **building will be locked.**

Bake sale: 6 p.m. Fair board event NOT 4-H

Check-out: Thursday, August 15th, 4:00-6:00 p.m.
(subject to change based on available security/help. Will be posted Monday of fair)

Items will NOT be held. Plan to have someone pick up your items during this time.

Exhibit building will be open for spectators Tuesday and Wednesday 10 a.m.-8 p.m. and Thursday 10 a.m. to 4 p.m. unless we are not able to find enough help to keep the building open and then hours will be posted on Monday of fair.

4-H Division Superintendent: Katie Townsend

krohling@ksu.edu

Office: 620-331-2690

I will be out at county fair July 22-July 31st and on vacation August 8-9. If you have questions please reach out to me before those dates!

Understanding Ribbon Awards

Exhibition of projects is a part of the 4-H educational experience. The Danish ribbon system, awarding ribbons by group, is used to recognize equal or near equal quality 4-H exhibits. Until the selection of the champions, exhibits are evaluated against a standard rather than in comparison.

Purple Ribbon: Outstanding on all standards! Qualifies exhibits for state fair if other requirements are met.

Blue Ribbon: Exceeds min. standard; may have minor flaws where improvements can be made.

Red Ribbon: Meets min. standards; may be visible signs of needed improvements

White Ribbon: Fails to meet minimum standards

Green Ribbon: Not qualified according to show rules. No premium paid.

Grand and Reserve Champion Rosettes: One each given per project area.

Awarded to the one best and second best overall exhibit.

Ribbons are awarded at the judges' discretion. Other than grand champions and reserve champions there are no set numbers. **Judges' decisions are final.**

General Rules

1. All bonafide 4-H members of Interstate fair counties are eligible to exhibit. ***Members must be 7 before January 1 of current 4-H year but cannot have passed their 19th birthday before January 1 of current 4-H year.***
2. The Montgomery County 4-H Fair (in Independence) is the official state fair qualifying show for Montgomery County 4-H members.
3. Every exhibit on the fairgrounds will be under the control of fair management. While every precaution will be taken for safekeeping neither the management, fair board members, or Extension agents will be responsible for any loss, damage, or accident that may occur.
4. **The right to interpret all rules in a manner which will be to the best interest of the show and the exhibitors is reserved by superintendent and a panel of at least two other volunteers.**
5. Any complaint regarding eligibility or adherence to the rules must be made in writing and submitted to Katie Townsend see contact information on first page.
6. All exhibits award ribbons according to the ribbon awards outlined on pg 2. Ribbon money is not promised but will be distributed if available.
7. **Youth should be present for foods consultative judging. Anyone not present at time of judging is not eligible to compete for Grand and Reserve Champion. Any youth not present will also not be allowed to participate in the bake sale, if they qualify. However, any exhibit will**

be judged provided the youth types a one-page paper outlining their project, challenges, methods, etc.

8. No more than one exhibit (unless department rules differ) may be shown in the same class under any one exhibitor's name.
9. ***All exhibits must be grown, made or produced by the club member during 2023/24*** (one exception is the soybean exhibit which may be from last year's crop provided 4-H member was a part of growing last year's crop).
10. Exhibitors must comply with state and federal laws. It is illegal to possess threatened/endangered wildlife and feathers, nest or eggs of non-game birds. Game birds/animals taken legally during season may be used. The use of live game/wild animals in educational exhibits is prohibited.
11. Exhibits must remain on display until Thursday at 4:00 p.m. Pick-up time is 4:00-6:00 p.m. plan for someone to get your items during this time. Our time is early to allow youth to get in before the traffic of the night time events to get their items. If we cannot find enough help to keep the building open all week we will move the pick-up time up. If we have to do this it will be posted and announced as you drop your items off on Monday.
12. Avoid using copyrighted and/or trademarked materials. The letter "c" with a circle around it means the owner of the material holds copyright. Similarly, all rights to use trademarks are protected by "TM" or letter "r" with a circle around it. If you need to use copyrighted materials, contact the original source, explain how material will be used, and request written permission to use materials. Written permission to use copyrighted and/or trademarked material must be attached to the exhibit/displayed.

Copyrighted and/or trademarked materials utilized in any fair exhibit for endorsement or promotion instead of educational purposes will be disqualified, not be displayed, or receive ribbons or premiums.

Department K - Visual Arts and Crafts

Exhibits must be entered according to exhibitor's age as of January 1 of current year. Each exhibitor may enter up to 4 exhibits (his or her choice).

Please describe exhibit on entry card. Example: Hand Made Ceramic-Underglazed.

4500A *Junior Division – ages 7 through 9 years

4500B Intermediate Division - ages 10 through 13 years

4500C Senior Division – ages 14 through 18 years



Department L - Fiber Arts

Exhibits in this department cannot be shown in any other department.

- **Crochet**, an article including felted items
- **Knitting**, made either by hand or machine, including felted items
- **Needle Arts**, created by hand using any of the following techniques: embroidery and cross-stitch, needlepoint, candlewicking, crewel, lace work, and/or applique.
- **Patchwork and Quilting**, an article
- **Rug making**, techniques include braiding, latch hook, tying, floor cloth, etc.
- **Spinning**, a skein - minimum 10 yards in length
- **Weaving**, attach information about the type of loom or process used. Woven wood reed basket, should be exhibited in Visual Arts.
- **Ethnic Arts**, fiber art technique associated with specific country or culture. Practical skill developed to provide basic family needs (apparel, home furnishings or decorations). Or a method maintained throughout history and passed on to others, such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Attach info. on history of the ethnic art, where it was used, by whom, how it was used, short description of the technique, etc.
- **Macramé**, an article

Fiber Arts Educational Notebook, a notebook or binder. Should include a narrative section describing the fiber art, a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. May include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts. A collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Name, local unit and fiber art covered must be clearly marked in the notebook.

- When the exhibit is a sewed garment that also includes one or more Heritage Fiber Art techniques the determination of what department (Clothing or Fiber Arts) and class to enter will be the 4-H participant's decision. Exhibits may only be shown in one department.
- Special consideration will be given to articles of original design. Such articles should have a note attached explaining the original design.
- Attach an index card, no larger than 4" x 6", to give the judge info. on parts of the exhibit they made, processes used, or other information. indicate if item was made from a kit, fiber content, and if they are made of at least 90% wool. For quilted items indicate who did the quilting and binding.
- Exhibits must have an attached identification label with: *name, age, district, and class number*. Sew or safety pin label on corner of flat articles. For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.
- Exhibits must be entered according to exhibitor's age as of January 1 of the current year. Each exhibitor may **enter up to 4 exhibits** (his or her choice).

Describe exhibit on entry card. Example: Machine Knitted Sweater. Exhibits with at least 90% wool material should be noted on entry card. Include fiber content for all entries.

10. Fiber arts, all ages

Department M - *Banners

55. *Banners

Each club may **exhibit one club banner**. Banner must tell or relate to some aspect of 4-H; promotional or informative in a general or specific nature.

Judging criteria for banners:

Educational value.....	40%
Appearance.....	20%
Interest & originality.....	20%
Quality of display material.....	20%

Guidelines for Banners:

- 1) Banners are a two-dimensional display, depicting one idea.
- 2) Banners should be made out of flame-resistant material.
- 3) Dimensions 3 ft. x 4 ft. **or** 3 ft. x 5 ft.
- 4) Banners must be hung on a rod. On each end of the banner rod, there should be a wire or chain six inches long. One end of the wire will be fastened to the end of the rod. The other end will be connected to an "S" hook which will permit the banner to be hung.

- 5) Banners should be made of materials that permit the banner to be folded or rolled without damaging display. Three-dimensional objects may not be attached to the banner.
- 6) A label is to be attached to the front lower left-hand corner of the banner giving the: *name of the club, county, and year.*
- 7) Copyrighted and/or trademarked materials utilized for endorsement or promotion instead of educational purposes will be disqualified. See pg.2.

Department O - Clothing and Textiles Construction

All items in these classes must be made by the 4-H member/exhibitor. Each member may enter up to 4 articles, garments or outfits and one educational exhibit.

Identification Labels: All clothing articles or garments must be labeled. Type or print on 3" x 2 ½" piece of cloth: Class Number, County/District, and exhibitor's name. Attach labels on inside of all garments (back of neck, center back of waistband, or left end of apron band). Label each piece. Care label not required but youth should know the information to tell the judge

3997 Articles, garments or outfits constructed by a 7-8 year old exhibitor

3998 Educational exhibit prepared by a 7-8 year old exhibitor

3998a. Recycled Clothing Project by 7-8 year old



4000 Articles, garments or outfits constructed by a 9-11 year old exhibitor

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

4001a Recycled Clothing Project by 9-11 year old

4002 Articles, garments of outfits constructed by a 12-14 year old exhibitor

4003 Educational exhibit prepared by 12-14 year old exhibitor

4003a Recycled Clothing Project by 12-14 year old

4004 Articles, garments or outfits constructed by 15-18 year old exhibitor

4005 Educational exhibit prepared by 15-18 year old exhibitor

4006 Recycled Clothing Project by 15-18 year old

Educational Exhibit - Share with others what you have learned. May be in the form of a poster, notebook, or display. Follow copyright rules. Select durable materials that will withstand fair conditions. No card table displays. If exhibit is a poster, it must not be larger than 22"x28". If the exhibit is a display, maximum size is a 3' x 4' tri-fold board. Name and county/district must be clearly marked on educational exhibits.

*** Recycled Clothing Project** - made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. A 4"x6" index card must accompany entry describing the recycled materials and how they were used in the item.

Shopping in Style – (A poster class for buymanship/shopping in style)

Posters can be flat poster board no larger than 22" x 28." Or Tri-fold no larger than 36" x 48." 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. Exhibits should include actual photos of 4-H member in garments, and may also include pictures from magazines or the internet. Scorecard with criteria can be found at:

4020 Shopping in Style: (7-9) 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
- B. a garment you purchased and explains how your personal style either aligns or contradicts what is considered to be "in style" today.
- 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
- 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:(10-13)– Exhibit should consist of a display that showcases one of the following:

- 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.
- 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.
- C. an outfit you purchased and explain why you selected the garment you did, your shopping budget, and cost per wear;
- 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.
- 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 (14-18)– Choose one of the following options. 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;
- 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;
- 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;
- 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;
- 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.

Department P : Electric and Renewable Energy



Label each article giving: *Owner's name, name of article, class number*

Items should be cleaned before exhibiting if it has been used. Exhibit must be operable using 110 or 120V or battery power (batteries should be furnished). Any project with a complexity of size or electronics must have (a) instructions for assembly and use and (b) equipment available at the time of judging for actual testing of the exhibit. No hand dipped solder may be used on exhibits.

Electrical and Electronics

- AC Electric Projects. Electric projects with a 110 or 120 V alternating current (AC) power source. Some project examples are household wiring demonstrations, small appliance 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 quality and safety of workmanship.
- 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 demonstrations 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-Her. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

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

Alternative Energy

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.

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

80. Electrical/Electronic exhibits built by 7-9 year old member

81. Electrical/Electronic exhibits built by 10 - 13 year old member

82. Electrical/Electronic exhibits built by 14-18 year old member

Department Q - Entomology



4-H member may exhibit in the collection, notebook and/or educational display categories within each category there are classes in Beginning, Intermediate or Advanced phases. See class descriptions within categories for requirements.

Resources for exhibiting can be found on the Kansas 4-H Ento Project Page: <http://www.kansas4-h.org/projects/agriculture-and-natural-resources/entomology.html>

COLLECTION CLASSES

- Entries should be in an 18 x 24 x 3.5 inch wooden display box (or shadow box, for novice class) with a clear plastic top (such as plexiglass). Boxes can be handmade or purchased as long as they are the correct size and do not have a glass top.
- 4-Hers may choose one of two taxonomies:
 - a) “Insects in Kansas” book
 - b) As printed on the “Insects in Kansas Book: 2016 Revised Taxonomy” which follows www.bugguide.net.
- Each exhibitor is required to identify each box with (2) identification labels bearing exhibitor’s name, county/district, the class, collection class enrolled in, and 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.
- The number of orders, specimens (and families where required) must be included on both of the exhibitor’s box identification label. Only one adult insect per species can be used in the boxes and notebook classes, unless correctly labeled as Male and Female.
- 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.
- 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, state abbreviation and collector name on the second label. Collector’s name (or host) on the date/locality label is optional.
- 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.
- Only specimens of class Insecta should be included. Purchases insects are not to be exhibited in collections, but may be used in educational displays.
- Specimens of soft bodied insects such as aphids, lice, termites, etc. should be exhibited in alcohol filled vials.

***83 Entomology Shadow Box**

- Not eligible for state fair. 11x14 shadow box or 18 x 24 x 3.5inch wooden display box with plexiglass top, minimum of 15 species representing at least 3 orders. Follow labeling and arrangement guidelines above.

4900 Beginning I Entomology Collection

- Display in one standard box a minimum of 50 and a maximum of 125 species representing at least 7 orders. Follow general guidelines above

4901 Beginning II Entomology Collection

- a. Display in one standard box a minimum of 75 and a maximum of 150 species representing at least 9 orders. Follow general guidelines listed for Collections.

4903 Intermediate Entomology Collection

- a. Display a minimum of 100 and a maximum of 300 species representing 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)
 - i. “Insects in Kansas” book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or
 - ii. “Insect in Kansas Book: 2016 Revised Taxonomy”, which follows www.bugguide.net - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera

On paper list what you did to improve your collection during the current year. Examples: insects you add or replace; orders and/or families added; what Leadership you provided in this project; and/or what insects studied. Attach paper to the *front* of one of the display boxes.

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 required for all insects belonging to the six basic orders outlined under the intermediate phase. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. On paper list what you did to improve your collection during the current year. Examples: insects you add or replace; orders and/or families added; what Leadership you provided in this project; and/or what insects studied. Attach paper to the *front* of one of the display boxes.

NOTEBOOK CLASSES

- Display in a three-ring notebook for competition.
- 4-Hers may choose to use one of two taxonomies:
 - As printed in “Insects in Kansas” book or
 - As printed on the “Insects in Kansas Book: 2016 Revised Taxonomy” which follows www.bugguide.net.
- identify the notebook by placing a Title Page in the front of the notebook bearing the exhibitor’s name, county or district and class 4-Her is enrolled in and statement of taxonomy used. The number of orders, specimens and families (required in Intermediate and Advanced classes) must also be included on the Title Page.

- 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.
- Date, common name, full county name, state abbreviation and collector name should be included for each species. Collector's Name on the specimen page is optional.
- Specimen pages should have two different views of the insect if possible. If pictures are taken on different dates/localities, include information for both.
- Statement describing the habitat where found/host plant may be included and is encouraged and will be worth bonus 10 points total, not per page. 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 and also on the front of the divider page.
- For the Intermediate and Advanced classes, insects are also to be grouped by family behind each order divider.
- 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.
- A special project must be completed each year and included. Refer to publication "Entomology Collection Notebook Guidelines" on the KS 4-H Entomology webpage for more details.

4907 Introductory Entomology Notebook

- a. Display a minimum of 10 and a maximum of 30 insect species representing at least 6 different orders. Follow the general guidelines listed for Notebooks, including the Special Project.

4908 Beginning Entomology Notebook

- a. Display a minimum of 20 and a maximum of 60 insect species representing at least 7 different orders. Follow the general guidelines listed for Notebooks, including the Special Project

4909 Intermediate Entomology Notebook

- a. Display a minimum of 60 and a maximum of 100 species representing at least 9 different orders. In addition, family identification is required for all insects in any two of the following six orders: (only two will be counted for judging)
 - i. "Insects in Kansas" book - Orthoptera, Hemiptera, Homoptera, Coleoptera, Hymenoptera, and/or Diptera or
 - ii. "Insect in Kansas Book: 2016 Revised Taxonomy", which follows www.bugguide.net - Odonata, Orthoptera, Hemiptera, Coleoptera, Hymenoptera, and/or Diptera

4910 Advanced Entomology Notebook

- a. Display a minimum of 100 and a maximum of 200 species representing at least 12 different orders.. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Only families in the above 6 orders will be counted for judging. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained.

EDUCATIONAL DISPLAYS

- 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.
- The exhibit may be, original works, digital presentations, programs, websites, games, apps, display box, notebook, display or poster which you have made.
- 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.
- Name and county/ district must clearly be marked on educational exhibits.

***83 Entomology Shadow Box**

- 11x14 shadow box or 18 x 24 x 3.5inch wooden display box with plexiglass top, minimum of 15 species representing at least 3 orders. Follow labeling and arrangement guidelines above.

4902 BEGINNING EDUCATIONAL EXHIBIT

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

4904 INTERMEDIATE EDUCATIONAL EXHIBIT

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

4906 ADVANCED EDUCATIONAL EXHIBIT

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

Department R – Agronomy/Crops

Superintendent: Kwynn Kyd

The variety or hybrid must be listed for exhibits. Exhibits should be mature as possible. Seed exhibits should be cleaned. 4-H member should play a part in raising the crops!

NOTE: All classes calling for a gallon sample may have a 2 ½ - 3 inch in diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarts.

^^ For all classes name variety and/or hybrid

- 2400 10 ears White Corn
- 2401 10 ears Yellow Corn
- 2425 1 gallon of corn
- 2402 10 heads Grain Sorghum -
- 2403 Forage Sorghum – entire plant, 5” bundle tied
- 2404 Other Forage Sorghums - entire plant, 5” bundle tied
- 2405 1 gallon Wheat soft or hard
- 2408 3 heads Confectionery Sunflowers,
- 2409 1 gallon Confectionery Sunflower Seed
- 2410 3 heads of Oil Seed Sunflowers
- 2411 1 gallon Sunflower Oil Seeds
- 2412 1 gallon Oats
- 2413 1 gallon Barley
- 2414 1 gallon Alfalfa
- 2421 Edible field beans: one gallon sample of seed from most recent harvest.
- 2422 Edible field beans: five plants (with roots intact) most recent harvest.
- 2423 Miscellaneous Crops - 1 gallon sample of seed or 10 heads
- 2424 Cotton: 10 open bolls, not plants. Place bolls in bag that can breathe
- 2419 1 gallon Soybeans (most recent harvest)
- 2420 Soybeans – bundle of 5 plants



Hay – One flake from a rectangular bale **or** 10-inch section cut from a round bale. The flake/slice should be approximately 6 inches in thickness and tied in two directions.

- 2415 Alfalfa hay
- 2416 Native Grass hay
- 2417 Brome Grass, 1 gallon of seed
- 2418 Other tame grasses, 1 gallon of seed
- 2425 Cool Season Grass Hay (fescue)
- 2430 Wheat variety exhibit

These displays by members enrolled in the wheat variety plot project. free-standing displays must not exceed the overall dimensions of 36” x 36” x 18” deep

Members must include the varieties provided in the display, but may include more varieties, if desired. Judged on 70 % educational value and 30% quality of display material

2440 Weed Control Exhibit

1. Collect, identify, press, mount, and label a minimum of 15 weeds. Try to include their roots, stems, leaves and flowers. Three of the weeds must be noxious weeds preferably found in your county. Standard 9"x12" scrapbook may be used. Identify the book 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" Or "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:

Records - 50% - Weed seed collection and exhibit - 30%

Story: "How We Control Weeds on Our Farm" or "How We Control Weeds at Home 20%

Department S - Food Preparation

1. 4-H members may exhibit **one entry per class.**
2. **To qualify for the 4-H Fair Food Auction, the food item must earn a purple ribbon.** If an exhibitor qualifies more than two items for the auction, superintendents decide which two items sell.
3. *Youth should be present for consultative judging. Anyone not present at time of judging is not eligible to compete for Grand and Reserve Champion or the 4-H Food Auction, but the exhibit will be judged provided the youth types a one page paper outlining their project, challenges, methods, etc.*
4. **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 placing will be lowered one ribbon. Frosting and fillings need to contain more than 65% sugar. Examples on how to calculate this percentage are located at: <https://bookstore.ksre.ksu.edu/pubs/MF3544.pdf>
5. **For food safety purposes,** any food with custard and dairy-based fillings and frostings (ex. Cream Cheese), raw eggs, flavored oils, "canned" bread or cakes in a jar, cut fresh fruit or any food requiring refrigeration will be

disqualified and not judged. Refer to K-State Research and Extension Publication, 4H488, Judge's Guide for Food and Nutrition Exhibits, or call the Extension for more information.

Further Clarification: If cream cheese or sour cream (or anything considered a dairy product) is mixed into the entire batter and baked sufficiently, it does not require refrigeration will be allowed. If the dairy product (cream cheese, etc.) is in a filling, then it is not considered baked in with the dry ingredients and remains moister, therefore requiring refrigeration and will NOT be allowed.

6. Alcohol (ex. Wine, beer and hard liquor) is not allowed as an ingredient. Entries with alcohol in the recipe will be disqualified and not judged.
7. Recipes are required for all food product exhibits including box mixes. Products without recipes will be discounted one ribbon group.
8. Food exhibits should be in food grade plastic bags, disposable plastic containers or boxes and placed on paper or foam plates or foil covered cardboard. Container will not be judged.
9. Attach gummed label to bottom of plate or cardboard. Labels are available at the Extension Office. **Please do this prior to arriving at the fair.**
10. All un-frosted cakes should be exhibited in an upright position with crust showing, except for cakes made with special designs such as Bundt cakes. They should have top crust side down.
11. Educational classes: Exhibits may be in the form of a poster, notebook or display. No card table displays. If the exhibit is a poster, it must not be larger than 22" x 28". If a display, maximum size is a 3' x 4' tri-fold display board. Name and district must be clearly marked on educational exhibit.

Classes for 7-8 year old exhibitors

117. *Five baked or no-bake cookies
118. *Five muffins
119. *One serving of a walking snack
120. *Favorite recipes box or notebook with a minimum of five recipes
121. *Educational exhibit



Classes for 9-11 year old exhibitors

122. One quick bread exhibit. May be five muffins, one loaf or one coffee cake
123. Five bar cookies (recommended size 2" x 2" each).
124. One microwave product. May be five cookies, one cake or one loaf of bread.
125. One single layer frosted cake.
126. *Favorite recipes box or notebook with a minimum of 10 recipes.
127. Educational exhibit



Classes for 12-14 year old exhibitors

128. Five baked cookies

129. One loaf quick bread. The use of whole grain, fruits and/or nuts is encouraged.
130. One unfrosted angel food or chiffon cake
131. Five yeast rolls
132. One loaf of yeast bread
133. One specialty bread (i.e. five pretzels, five bread sticks, a fruit bread or tea ring)
134. One microwave product. May be five cookies, one cake, or one loaf of bread.
135. *Favorite recipes box or notebook with a minimum of 15 recipes.
136. Educational exhibit.

Classes for 15-18 year old exhibitors

137. One cake, frosted or unfrosted.
138. One microwave baked product. (May be five cookies, one cake, or one loaf of bread.)
139. Five yeast rolls
140. One loaf of yeast bread
141. One specialty bread exhibit (i.e. five pretzels, five bread sticks, a fruit bread or tea ring)
142. One two-crust fruit pie
143. *Favorite recipes box or notebook with a minimum of 20 recipes
144. Educational exhibit

Classes for all exhibitors

145. *One decorated food item. Open to all ages
4306. One food gift package. Open to all ages. No alcoholic beverages. Package must contain at least 3 different items (prepared for human consumption), made by the 4-H member, in 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. **Food items in the gift basket will NOT be tasted. The gift package will be judged based on recipes, appearance and usefulness.**
 On back of the entry card, answer these questions:
 a) What is the intended use? b) What food safety precautions were taken during and after preparation? c)
 Home canned foods must follow Food Preservation rules. Canning jars should not be used for baking per manufacturer's instructions.

Department T - Food Preservation

1. All exhibits must have been preserved since the previous year's county fair.
2. Recommended recipes and processing methods must be used. Recipes must be from 1995-present and be adjusted for altitude based on processing location or it will be disqualified. Processing methods that will be disqualified include: open kettle canning, oven canning, and sun canning. 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
 - So Easy to Preserve, 6th Edition, University of Georgia Cooperative Extension
 - Ball Blue Book Guide to Preserving
 - Ball Complete Book of Home Preserving
 - All New Ball Book of Canning and Preserving
 - Canning Mixes (i.e. Mrs. Wage's Ball)
 - Pectin Manufacturers (i.e. SureJell, Ball)
 - <http://www.rrc.k-state.edu/preservation/recipes.html>

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

- 4H712, Food Safety Recommendations for Food Preservation.
 - MF3170 "10 Tips for Safe Home-Canned Food"
 - MF3171 "Sassy Safe Salsa at Home"
 - MF3172 "What's Your Elevation?"
 - MF3241 "How to Guide to Water Bath Canning and Steam Canning"
 - MF3242 "How to Guide to Pressure Canning"
3. Alcohol not allowed as an ingredient in food preservation entries.
 4. **4-H member may exhibit one entry in each class.**
 5. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be lowered one ribbon placing. Recipe must include exhibitor name, recipe source, date of publication and altitude where food was processed.
 6. Exhibits must be in clean, clear standard **canning** jars, with matching brand (ex. use Ball lids on Ball jars, or Kerr lids on Kerr jars, etc.) two-piece lids. Do not add fancy padded lids, fabric over wraps or cozies as they interfere with the judging process. Jars must be sealed when entered. For food safety reasons, the size of jars used must not be larger than the jar size stated in the recipe. Note: There are 12-ounce and 24-ounce canning jars available. Use pint jar process recommendations for 12 ounce jars. Use quart jar recommendations for 24 ounce jars.
 7. 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. Labels are available at the Extension Office or on the fair website.

8. If dried food product is not in a canning jar, it will be lowered one ribbon. Suggested amount: 1/3 – 1/2 cup, or 3 to 4 pieces per exhibit. 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. Heating information can be found in “Dry meat Safely at Home”
www.ksre.ksu.edu/bookstore/pubs/MF3173.pdf



- 4350** Sweet Spreads (Fruit and/or Vegetables); Syrups, one jar
4351 Fruits, Juices, Fruit mixtures (Salsa, Pie Filling, etc.); one jar
4352 Low-acid Vegetables (green beans, corn, etc. or veg. mixtures); one jar
4353 Pickles (Fruit or Vegetable) Fermented Foods and Relishes and Chutney; one jar
4354 Tomato/Tomato Products Tomato Juice and Tomato Salsa; one jar
4355 Meats; one jar
4356 Dried Foods; One small jar

Department U - Forestry



- 1) All leaf exhibits are to be mounted on 8 1/2 x 11 inch 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 maybe exhibited in whatever manner you choose. Max tri fold size 3'x 4'. Resources on www.kansas4-h.org/projects/agriculture-and-natural-resources/plant-sciences/forestry
- 2) **Name, club, age, and year in project** should be on the 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 (2) location (city and/or county) where collected; and (3) day, month, year (or month, day, year) collected.
- 4) Have samples grouped according to the year collected.
- 5) Variations of varieties do not count as different species or specimens.
- 6) 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 according to the year originally collected.
- 7) If you retrieve information for your forestry exhibit, you must include a reference citation to the source.

- 8) 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.

Knowing Trees as Individuals (Leaf Collections)

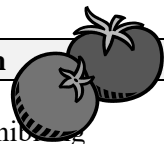
- 5100** Exhibit a minimum of 10 different leaves from trees collected within the year. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.
- 5101** Exhibit a minimum of 5 trees showing leaf, twig and fruit from each species collected.

Educational/Creative Exhibit

- 5102** Must be directly related to tree identification **or** forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials to withstand fair conditions. This is a good class to exhibit an unusual collection.

Department W – Interior Design & Architecture

- 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.
 - Projects with missing or insufficient summary will be docked.
 - 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.
- 4400 Single Exhibit. An article made or refinished by the 4-H member for the home. Must include attached summary.
- 4401 Design Board. Boards must be on foam core or a standard tri-fold display. Include: color scheme, wall treatment, floor treatment, samples, etc. and/or floor plan for a room. Must include attached summary.
- 4402 Notebooks may include floor plans, swatches, colors, stories, photographs, and project records which detail what was accomplished with a given indication of long-term plans. Should also include project inspiration, challenges, who helped you, and any other information helpful to the judge. Additional summary is not required for Notebook exhibits.



Information about exhibiting produce available in publication “Exhibiting Fruits and Vegetables” at <http://www.bookstore.ksre.ksu.edu/pubs/c405.pdf>
Use sturdy plate, bowl, or container and tape entry card to container.

*A county fair exhibitor earning a purple ribbon for a particular type of vegetable (i.e. early peas) is eligible to exhibit another vegetable (i.e. late pumpkins) at the State Fair.

May enter 1 garden display and 4 different vegetable or fruit exhibits.

2500 Garden Display –Limited to 4 square feet of space. Garden Display must be exhibited in a tray, basket or container that can be easily moved. Exhibit consists of 5 different fresh vegetables or fruits. Canned and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The numbers of the 5 vegetables or fruits to be exhibited are as follows:

Large Vegetables (One Each): Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Squash, Watermelon.

Medium Vegetables (Five Each): Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Radishes, Sweet Potatoes, Tomatoes, or other similar sized vegetable.

Small Vegetables (Twelve Each): Green snap beans, wax beans, English peas, radishes or other similar sized vegetables.

Small Fruits (one half pint box): Strawberries, blackberries, raspberries, or other similar sized fruits.

Tree Fruits (5 each): Apples, pears, peaches or similar sized fruits.

Grapes (2 bunches)

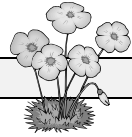
2501 Small Vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, radishes, other small vegetables.

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

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

- 2504** 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.
- 2505** Small fruits (one half pint box) Ex. Strawberries, blackberries, raspberries, or other similar sized fruits. If other, please include name of fruit on entry.
- 2506** Tree Fruits (plate of 5) Ex. apples, pears, peaches, or similar sized fruits.
- 2507** Grapes (plate of 2 bunches).

Department Y - Floriculture



1. **A 4-H member may enter up to 4 floral exhibits, plus a notebook.** Each cut flower specimen must be of a different species.
 2. Potted plants are not accepted.
 3. All materials should be grown and collected rather than purchased. Entries should not take over one square foot of table space.
 4. Display should be exhibited in a disposable container that is easily moved by staff. Fair association is not responsible for the loss or damage of vases or containers. Container will not be judged.
 5. Information about exhibiting flowers can be found online in the publication “Preparing Cut Flowers for Exhibit”, at www.bookstore.ksre.ksu.edu/pubs/4H826.pdf
- 5600** Annual Garden Flower, cut specimen, single stem
- 5601** Perennial Garden Flower, cut specimen, single stem
- 5602** Fresh Flower Arrangement. Flower materials must be grown and/or collected by exhibitor, not purchased.
- 5603** Dried Flower Arrangement, no fabric or plastic material allowed
- 5604** Horticulture Notebook –three ring binder written narrative describing a horticulture project such as: landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer’s market business, or other horticulture project. 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 helpful. Exhibitor may enter two different horticulture notebooks. Horticulture notebook scoring is as follows: Organization and General Appearance (neat, title page table of contents, original, creative, etc.) 20%; Narrative (goals, successes, failures, etc.) 40%; General Content (subject matter, photos, maps, knowledge gained, etc.) 40%.

Department AA - Photography

1. Photographs exhibited must be the result of the current year's project work by the club member. All photos must be no larger than 8" x 10" and no smaller than 7" x 9" (**except 4 picture exhibit**).
2. Photos are to be mounted across the narrow (1 inch) dimension of an 11" x 12.5" sheet of matte board (board available at Extension office \$1.25) with the top edge of the print 1 inch below the top of the mount. A permanent mount should be made, using photographic adhesive such as a permanent spray adhesive. Do not use double sided tape or rubber cement. The sides of the print must be equal distance from the sides of the mount. Improperly mounted photos will be penalized one ribbon placing. Visual instructions available at Extension office.
3. Photo should be protected with clear bags available (.25) at Extension office or with two-gallon Ziploc bag. **Do NOT seal the bag!**
4. No lettering (including dates) will be permitted on the front of the mount or on the pictures. No underlay or borders are to be used.
5. Each exhibitor's *name, photo class, and extension district (Wildcat) plus county (MG)* should be written on the back of the mount.
6. 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 (High-Dynamic-Range) photos are to be entered in the standard photo class.
7. The black and white classes are for black and white prints only. Monochromatic prints, sepia prints are considered color photos and must be entered in the appropriate color photo class.
8. Photos with live subject(s) on railroad right away or taken from railroad right of way property will not be displayed and will be disqualified.
9. Copyright protections must be observed.
10. Each exhibitor will be **limited to 6 entries, no more than 2 per class**.

Classes for 7-8 year old exhibitors

191. *4-picture exhibit. Four pictures (3 ½" x 5" or 4" x 6") untouched, not enlarged, mounted on 11" x 12 ½" matte board. Must include one picture of a building, one of a person, one landscape shot and one picture of an animal.
192. *Color photo taken by 4-H member.
193. *Black and white photo taken by 4-H member
194. *Digital Composite Image

Classes for 9-11 year old exhibitors

196. Color photo taken by 4-H member.
197. Black and white photo taken by 4-H member



198. Digital Composite Image

Classes for 12-14 year old exhibitors

- 200.** Color photo taken by 4-H member.
- 201.** Black and white photo taken by 4-H member
- 202.** Digital Composite Image

Classes for 15-18 year old exhibitors

- 204.** Color photo taken by 4-H member.
- 205.** Black and white photo taken by 4-H member
- 206.** Digital Composite Image

*Digital Composite Image: Photo must be created from two or more originals taken by the exhibitor. Exhibitor must include a second 11 x 12-1/2 matte board (Explanation Board) mounted with standard size prints of the original photos, 3 x 5 card(s) explaining what manipulation was done and a standard size print of the final photo. May include prints of editing steps. Photos showing editing steps may be layered. Please put name and Extension Unit on the front of the second board. Explanation Boards will be displayed along with the finished board. Place both matte boards in the same protective plastic bag. 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.

Portfolio Classes for members in the project longer than five years:

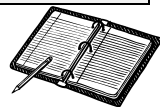
4807. Growth Portfolio

- 1. Member must have been enrolled in photography project for (3) years or more.
- 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 max of 5 photos may be included if the member has 5 or more years of enrollment. Photos are not required to be in 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-olds year. The growth portfolio class may start any time in the member's photography career. For an older member, the growth portfolio would represent any five years, for example, 1,3,5,7 and 9 for a member having project enrollment totaling 9 years.
- 3. Photos must be 8" x 10" & mounted - may be color or black and white.

4. An information sheet must accompany each photo giving brand and model of camera used to create the photo. The settings for focal length, aperture, mode and shutter speed must also be listed.
5. Skill set used to create the photo must be given and explained. Main goal for each year should be listed.
6. Beginning with photo 2, member description of GROWTH in project skill must be included on information sheet.
7. Exhibit will consist of photos arranged in chronological order of enrollment, information sheet on each photo, and all information listed in #6 and #7. A portfolio book will be required.

4808. Career Portfolio

1. Member must have been enrolled in photography (5) or more years or member must be age 15 -19 & been enrolled in photography for at least (2) years.
2. Exhibit will consist of (10) 8 x 10 photos showing skill development in one of the following photography areas: Portraiture, Special Effects (not done with computer), Landscape, Photo Journalism, Black & 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. Mentors should be acknowledged. Career exploration can be described.
6. Exhibit will be presented in a notebook designed for portfolio review with pages for required information from #4 and #5.



Limit of 1 entry per class.

This class is for projects that do not have exhibit classes in the fair.

Any of the classes below may be done over a pet project.

This class is for 4-H projects which do not lend themselves easily to fair exhibition. Educational project notebooks and displays are exhibited for a 4-H member to tell about something they learned in a 4-H project. It is important that notebooks and displays contain pertinent, easy to read information.

The following criteria will be considered when judging notebooks and displays:

General Appearance (30 Points)

- Neat, clean
- Printing or lettering well done
- Readability
- Sufficient space (margins) allowed around the edges and between lettering to read easily.
- Any additional art work added to the notebook or display.

Information (50 Points) –Accurate, Brief, Correct spelling, Central idea clear to reader

Organization (20 Points) -Easy to understand & Logical

208. *Project Notebook

209. *Educational Display

- must be the standard tri-fold board only maximum 3' wide x 4' tall

210. *Educational Poster

- Must be flat and no larger than 22" x 28"

Department CC - 4-H Shooting Sports

- Exhibits exceeding the size guidelines will be penalized one ribbon color.
- Exhibitors must comply with all state and federal laws and fair policies. No “live” ammunition containing propellant or explosive powders may be used in display! Artistic substitutes must be used in lieu of powder and live ammunition - **label artistic substitutes on back for clarification.** The substitution must be clearly described on the back of the poster, display or in a notebook.
- *Name, district/county, age and year in project* should be in a prominent location on the FRONT of exhibit unless special arrangements are made because of declination of publicity release

Exhibits will be judged on the following points:

- Stopping Power, idea presented clearly, simply, forcefully? (15pts)
- Interest, Holding Power, facts in a clear, concise way? (15pts)
- 4-H Project Application, subject an effective showcase? (15pts)
- Mechanical Power, easy to read, pleasing colors, (5pts)
- Personal Growth, knowledge was gained & Enthusiasm (25pts)
- Educational Value (25pts)

6200 Educational Display- Must be directly related to the 4-H Shooting Sports project (standard tri-fold boards only, no larger than 3’x4’, can add a topper that sits on top), no additional table space for promotional materials

6201 Promotional Poster- Promote 4-H Shooting Sports project (flat poster no larger than 22” x 30”)

6202 Notebook – Contents pertain to some phase, story/information about 4-H Shooting Sports. Must be or larger than 8.5x11

6203 Shooting Aid or Accessory - Any item 4-Her makes which helps 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 - Any item 4-Her makes with the purpose to safely hold a firearm, bow, ammunition, 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 - Invent or adapt an activity to practice or teach a skill. Include pictures of playing the game, testimonials of 4-H’ers who played the game, 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.

ROBOTICS

Consultative judging. Sign-up sheet will be at check-in table see General Rules #7

1. Each exhibitor may enter one robot per class.
2. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited. Each exhibit must include a robot, information packets are not a sufficient exhibit.
3. Robots must have automated articulated structures (arms, wheels, grippers, etc.). Game consoles that display on a screen are not robots and should either be entered in computer systems division or energy management. Robots requiring no assembly, just programming, are considered computer systems projects.
4. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds. If displayed in a case (not required) the outside case dimensions may not be more than 26 inches in height, width, or depth.
5. Materials including but not limited to obstacles, spare batteries, and mats for testing the robot may be brought by the exhibitor on the day of judging and those materials not essential to the exhibit may be taken home following completion of judging.
6. All electric components of the robot must be adequately covered or concealed with a protective enclosure.
7. Robots may be powered by an electrical, battery, water, air or solar source only. Junk drawer robots may be powered by a non-traditional power source. Robots powered by fossil fuels/flammable liquids will be disqualified. Robots that include weaponry of any kind will be disqualified.
8. Remote controlled robots are allowed provided the robot is not drivable. Robotic arms (hydraulic or electric) are allowed. A remote is allowed provided more than a single action happens when a single button is pressed on the remote, for example “a motor spins for 3 seconds, at which point an actuator is triggered, then the motor spins for 3 more seconds.” Remote controlled cars, boats, planes and/or action figures, etc. are not allowed.
9. Each robot must be in working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete its intended task. In the event the robot uses a phone, tablet, or similar device for programming AND control of the robot, a video can be used to evaluate the working condition of the robot.
10. Each exhibitor is required to complete the “4-H Robotics Exhibit Information Form” which is available at <https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/> This form must be attached to the outside of a 10” x 13” manila envelope.

11. The exhibit must include written instructions for operation, construction plans, and one to three pages of project photographs. For robots that can be programmed, robot programming information must be placed inside the manila envelope.

12. In the event that the robot uses a device like a phone, iPad, or tablet for programming AND operation, DO NOT leave the device at the fair. Bring it with you the day of judging.

13. Creativity, workmanship, and functionality will be strong criteria in judging the “Robot designed by Exhibitor” classes. All robots should have a purpose or intended function. examples include, but are not limited to: following a line, sweeping the floor, solving a rubix cube, sorting colors, or climbing stairs.

14. Exhibitor’s name(s) and county/district must be labeled in a prominent location on the robot,

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

***JR Division – 7 and 8year olds**

***5505a** Robot made from a commercial (purchased) kit. (No Programming just assembly)

***5506a** Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

***5507a** Programmable robot made from a commercial (purchased) kit.

***5519a** Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote controlled device

***5543a** Junk Drawer Robotics

Intermediate Division – 9 to 13 years old

5509 Robot made from a commercial (purchased) kit. (No Programming just assembly)

5510 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5511 Programmable robot made from a commercial (purchased) kit.

5546 Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote controlled device.

5544 Junk Drawer Robotics-based curriculum robot

Senior Division – 14 and up

5513 Robot made from a commercial (purchased) kit. (No Programming just assembly)

5514 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5515 Programmable robot made from a commercial (purchased) kit.

5547 Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote controlled device.

5545 Junk Drawer Robotics-based curriculum robot

Team Robotics Project

5517 Robot designed and constructed by two or more 4-H Robotics project members. The robot may be a programmable type that is made from a 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.

ROCKETRY/AEROSPACE

Consultative judging. Sign-up sheet will be at check-in table see General Rules #7

1. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be a “model rocket kit” or the second may be entered into any other applicable class. May not enter two rockets in the same class.
2. 4-Hers are to complete and sign the rocketry information form, available <https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/index.html> , and attach it to a 10”X13” “manila” envelope. The envelope should not be attached to the rocket stand or rocket. Any rocket not having this will receive a participation ribbon.
3. 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. A different paint scheme, changes/reduction in decals, and other non-structural changes are not considered modifications and do not need to be documented.
4. One or more photographs of rocket during construction and at 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.

5. 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. 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
6. Launches should not be conducted in winds above 20 mph and will constitute a disqualification of rocket exhibit.
7. 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.
8. 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.
9. Flight damage is to be documented by the participant on either the construction plans, an additional sheet of paper titled "flight damage" or the 4- H STEM Rocket Exhibit Information Form.
10. 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
11. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
12. If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and cannot be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not possible to make a full and immediate assessment of the safety of the rocket when it is being judged and safety is paramount.

13. Engines may not be used as display stands hollowed out or otherwise. Engines used as a display stand will cause the exhibit to be subject to immediate disqualification.
14. 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 one ribbon placing. c. Use of any engines to join the stages together will be to immediate disqualification.
15. Multi-stage rockets can be flown using just the final stage and be considered fully flown

There are more construction and class rules - please consult the state fair book at: <https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/>

Division JR - Exhibitors 7 and 8 years old

- 5520a** Rocket made from kit, *without* pre-assembled fin units. Include plans.
- 5520b** Rocket made from “beginner’s kit.” Include plans. may have pre-assembled fin units.
- 5520c** Scale Model Rocket made from kit, include plans

Exhibitors 9 through 13 years old

- 5520** Rocket made from kit. Include plans.
- 5537** Scale Model Rocket. Made from kit, include plans.

Exhibitors 11 through 13 years old

- 5521** Rocket designed by exhibitor: not a modification of an existing kit. Include original plans.
- 5538** Scale Model Rocket designed by exhibitor; not modification of an existing kit. Include original plans and stability testing.

Exhibitors 14 years and older

- 5525** Rocket made from kit. Include plans.
- 5526** Rocket designed by exhibitor: not a modification of an existing kit. Include original plans.
- 5527** Rocket designed by exhibitor: not a medication of an existing kit. Include original plans.
- 5539** Scale model rocket made from kit, include plans
- 5540** Scale Model Rocket designed by exhibitor: not a modification of existing kit. Include original plans and stability testing.
- 5535** High power rocket made from kit or original design.
- 5536** Mid power rocket made from kit or original design.

Division D - Exhibitors 11 years and older

Designed to encourage teamwork from the initial design to the finished product.

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

For educational classes related to rocketry please consult page 58.

UNCREWED AERIAL SYSTEMS (Drones)

Consultative judging. Sign-up sheet will be at check-in table see General Rules #7

1. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year.
2. The information that accompanies the UAS must be limited to the 4-H UAV Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the UAV. Downloaded from <https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/index.html> . Any exhibit not including this completed envelope will receive an automatic participation ribbon.
3. Each exhibit MUST include a video of the youth operating their UAV. 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, YouTube link or similar.
4. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
5. Uncrewed Aerial Systems that include or depict weaponry of any kind will be disqualified.
6. For scratch built UAV kits if modifications are made to the exhibit, a page should be attached noting these modifications.
7. For practical application entries, the UAS is not required to be displayed as part of the exhibit, only the supporting material.
8. The same UAS may be used by multiple exhibitors for different practical application entries.

Junior Division A – 7-8 years old

5701a UAS “designed and constructed by exhibitor” operated by remote controlled device.

5702a “Practical application” of an UAS constructed from a (purchased) kit.

5703a Educational exhibit. – see page 55 for guidelines

Intermediate Division – 9-13 years old

5701 UAS “designed and constructed by exhibitor” operated by remote controlled device

5702 “Practical application” of an UAS constructed from a (purchased) kit.

5703 Educational Exhibit – see page 58 for guidelines

Division B – Senior, 14 years and older

5706 UAS “designed and constructed by exhibitor” operated remote controlled device.

5707 “Practical application” of an UAS constructed from a (purchased) kit.

5708 Educational Exhibit – see page 58 for guidelines

AG MECHANICS/ SMALL ENGINES

1. Each exhibitor may enter one exhibit per class.
2. **If bringing a trailer to be judged as your project, arrangements must be made with the fair board in advance for parking and display.**
3. Wheeled exhibits must be stabilized by the exhibitor. “chocked”
4. Each exhibit must be free-standing or sufficiently supported
5. Repair projects having adequate original finish need not be repainted
6. 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.
7. Exhibits that include weaponry of any kind will be disqualified.
8. 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
9. Electric powered (battery, corded, solar, or alternative energy) should have a primary shutoff or disconnect switch
10. Exhibitor’s name(s) and county or district must be tagged or labeled in a prominent location on the display
11. Exhibit must include an Ag Mechanics information packet and “4-H STEM Ag Mechanics Exhibit Information Form” available at <https://www.kansas4-h.org/events-activities/fairs/kansas-state-fair/> This form must be attached to the outside of a 10” x 13” manila envelope.
12. 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. Appropriate schematics or working drawings relating to the creation or repair
 - d. If appropriate operating instructions

Small Engines:

All exhibits should involve engines smaller than 20 horsepower for classes 4610-4612. Engine should contain no fuel in tank or carburetor. Displays are limited to 4’ wide and 4’ deep - both upright and floor displays.

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

2. A sheet of operating instructions must be furnished for any exhibit not self-explanatory.
3. Projects (classes 4600, 4601 and 4602) must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
4. Any project with a complexity of size or electronics must have (a) instructions for assembly and use (b) equipment available at the time of judging for actual testing of the exhibit.
5. No hand dipped solder may be used on exhibits

Classes

5550 Welding display board – a 3 foot by 3 foot display board with different pieces of metal attached illustrating different types of welds

5551 Welding or Brazing repair – repair of equipment

5552 Welding or Brazing fabrication – creation of new equipment

5555 Welding artistic fabrication – creation of artistic or interpretive pieces

5558 Smithing display board – a 3 foot by 3 foot display board with different pieces of forged metal attached illustrating different forms, each form being labeled

5559 Smithing – A design forged with at least one formed element

5560 Educational Display class see page 58 for poster/notebook class options related to Ag Mechanics

4610 Small engine Display:

- 1) 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;
- 2) identifying and explaining the function(s) of different special tools needed for small engine work;
- 3) display illustrating and providing the results of any one of experiments included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.

4611 Small Engine Maintenance: Exhibit a display that illustrates either:

- 1) Routine maintenance procedures
- 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'.

4612 Small Engine Operation: Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Maximum tri-fold size is 3' x 4'. Engine should contain no fuel in tank or carburetor. Alternative ENERGY (A form of energy derived from a natural source, such as the sun, geothermal, wind, tides

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

Building Block Engineering

1. Each exhibitor may enter one exhibit. Min. exhibit dimensions should be at least 6 inches wide and deep.
2. Exhibit dimensions may not exceed 2 ft high, by 2 ft wide, by 2 ft deep.
3. All exhibits should be placed in a see-through enclosure with a top, bottom, and 4 sides. A clear tub turned upside down would be acceptable enclosure.
4. The primary building component should be interlocking blocks, commonly referred to by the brand name Lego®
5. Other components can be integrated to illustrate architectural aspects that may be difficult to convey with traditional interlocking blocks
6. "store bought" sets for major architectural elements 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 from a car kit can be used in a "car museum" but not the entire car.
7. 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.
8. Vehicles that are intended to stay in a single place should be affixed to base plates with sticky tack, hot glue, or other method
9. Mechanical enhancements or motion elements that add motion to the diorama are acceptable and encouraged. For example, marry-go-rounds, doors, elevators, gears, marbles going down a channel, flapping wings, animatronics, etc. If included judges should be able to use them and instructions should be provided for operation either in the story or on a separate page.
10. Artistic designs , for example recreating paintings like the "Mona Lisa" or "Stary Nights" and structures like "David" are not permitted as exhibits and one ribbon placing should be deducted, These exhibits should be displayed in Visual Arts.
11. 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
12. Each exhibit must include an Architectural Block Construction information packet. Entry of just either a packet without an accompanying exhibit or an exhibit without a packet is not a sufficient exhibit.
13. Each exhibitor is required to complete the "4-H STEM Architectural Building Block Construction Engineering Exhibit Information Form" which is available 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.

14. 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., these 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

5710 Interlocking diorama built from scratch

5711 educational poster, notebook display classes see details page 58

Educational Exhibits for all SpaceTech/STEM Classes

2. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed .
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 is available at www.KansasSpaceTech.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. Sources of information must be cited on the front of your exhibit, including posters and educational display boards.
6. Educational displays are not to exceed a standard commercial 3'x 4' tri-fold display board. Care should be taken to use durable materials that will withstand 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 display exhibits may not be thicker than 1".
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, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the, notebook, and/or "Construction Kit." For education displays and/or posters the exhibitor's name, county, or district, age, and year(s) in project **must** be tagged or labeled on the

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

12. Exhibits should possess the following qualities (in no particular order):
A Central theme, What you want others to learn, Be designed and constructed in a manner befitting the exhibit, Be something you are interested in, Be related to Astronomy, Computer Systems, Robotics, Rocketry, or Uncrewed Aerial Systems

Junior Division – 7-8 years old

5731a Educational Display

5732a Educational Notebook

5733a Educational Poster

Intermediate Division – 9-13 years old

5731 Educational Display

5732 Educational Notebook

5733 Educational Poster

Senior Division – 14 years and older

5736 Educational Display

5737 Educational Notebook

5738 Educational Poster

Vet Science

1. A Veterinary Science exhibit may consist of a poster, notebook or project display.
2. If photographs are to be part of the exhibit, remember they will be viewed by the public. Make sure the photographs are in good taste and will not be offensive. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves and other appropriate veterinary medical practices.
3. First-Aid Kits: Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated print-outs or empty packaging of pharmaceuticals.
4. Veterinary Science Posters - presents the viewer with a design that is simple and direct, unlike a display that usually presents more

information. A poster should not exceed 22" x 30" and may be either vertical or horizontal.

5. Veterinary Science Displays - A display may include but is not limited to: a 3- dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a three ring binder or another bound notebook format.
6. Veterinary Science Notebooks: Individual entries are to be place for display in a three-ring notebook for competition. Notebooks may not be larger than 8 1/2' x 11".
7. Name, county/district, age and year in project should be on the front of the poster, display or notebook.
8. Appropriate topics include: Maintaining Health Specific disease information Photographic display of normal and abnormal characteristics Animal health or safety Public health or safety Proper animal management to ensure food safety and quality Efficient and safe livestock working facilities A topic of the exhibitor's choosing related to veterinary medicine or science.
9. all references and information must be properly cited. Proper sources include but are not limited to: Professional journals and publications, professional AVMA accredited websites, interviews with veterinarians and excerpts from Veterinary Educational Literature. Plagiarism will result in a disqualification. Please study your topic and present the information to your audience in your own words.

7000 - Veterinary Science Large Animal Poster, Notebook or Display

7001 - Veterinary Science Small Animal Poster, Notebook or Display



1. One display/notebook entry and one experimental entry per youth.
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. Wildlife on display must have a statement about how they were obtained legally. The use of live wild animals in educational exhibits is prohibited.
3. Name, county/district, age and year in project should be in a prominent location on the exhibit.

Display/Notebook Classes

5400 Notebook. Contents pertain to phase, results, story or info about 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. Max tri-fold size is 3' x 4'.

Experiential/Other Classes

5403 Taxidermy/Tanning Exhibit Include an attachment shows the work in progress through photos with captions, or detailed journaling

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.



Each exhibitor may enter up to two woodworking articles.

1. **The plan from which it was constructed must be with the article exhibited.** The plan may be a photocopy, 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. Step by Step instructions is not a plan.
 2. Projects with missing or insufficient plans will be lowered one ribbon group. (I.e. blue exhibit will receive a red ribbon.)
 3. Projects that have unsecured glass, i.e. glass shelves, glass top of a coffee table, etc. should not be brought to the fair. Glass that is secured in the project, i.e., glass front of a gun case or cabinet, etc., is permissible since it cannot be easily removed.
 4. The entry card, plans and all other paperwork should be secured to the project in some manner. It is recommended to use a plastic bag with a hole punched through it and use string to tie this to the exhibit.
 5. Refinished/repaired furniture should be exhibited in Home Environment - Single Exhibit.
 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.
- 279.** Article made by 7 to 9 year old member
280. Article made by 10 to 13 year old member
281. Article made by 14 to 18 year old member