4-H Foods – Dept. 21

Superintendents: Tammy, Morgan, & Matheau Egidy, Polly & Melissa Naylor, Gracie Rockers,

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00
4-H Club Foods Display Tables Purple/Blue - 25.00 R - 20.00 W -15.00
Grand Champion and Reserve Grand Champion Ribbons
Champion and Reserve Champion Ribbons for Junior,
Intermediate, and Senior Sections

7. 4-Hers may exhibit 4 **non-perishable** food products, 1 recipe box/notebook, 1 educational exhibit, 1 food flop, 1 food gift box, and 3 food preservation exhibits.
8. Small food items need to have 3 on a plate; example: 3 cookies, 3 muffins, 3 cupcakes, 3 breadsticks, 3 rolls, etc.
9. Baked food items should be exhibited on foil covered cardboard cut to the size of the exhibit and covered with food grade plastic wrap or in a plastic bag.
10. Food entries must comply with guidelines found in K-State Research & Extension publication: 4-H 712, *Food Safety Recommendations for Acceptable Fair Exhibits*, and Georgia State Extension publication: *So Easy to Preserve 5th edition*, or *Ball Blue Book of Preserving (2009)*. Food not meeting safety standards will not be judged.
11. Recipe card required for all food exhibits. Label the bottom of the plate with exhibitor's name.
12. Entire product must be exhibited. Unfrosted cakes should be exhibited with crust showing, bundt cakes should have top crust down.
13. Recipe box/notebook exhibit – Juniors need 10 recipes; Intermediates need 20 recipes; Seniors need 30 recipes.
14. Food Gift Boxes can not contain any alcoholic beverages. A food gift box must contain at least 3 different food items prepared for **human consumption**, made by the 4-Her, in a suitable container no larger than 18" x 18" x 18". Additional food items can be added. Recipes must be on all prepared food items. On a recipe card, answer the following questions: a) what is the intended use; and b) what food safety precautions were taken during and after preparation.
15. Food flop exhibit – 4-Hers need to explain to the judge what caused the food product to flop and share solutions for the failed food product. Ribbon placing is how well the 4-Her understands the reason for the poor quality food product.
16. Food preservation exhibits – exhibit size is one jar of Sweet Spreads or Syrups; Fruits, Juices, Low Acid Vegetables, Pickles, Relishes, Tomato/tomato products. Processing times must follow *USDA's Complete Guide to Home Canning*, or Georgia State Extension's *So Easy to Preserve*. Open kettle food products are not accepted. Jars must be sealed when entered. Sweet Spreads must be in half pint or pint jars. Pickles and sweet spreads **must** be processed in a water bath process; low acid products **must** be pressure canned properly for altitude of the residence; tomato products requiring acid should be real lemon juice or citric acid. Recipe must include recipe source, date of publication and altitude of residence.
17. Each jar exhibited must be labeled with a uniform label placed 1" from the base of jar. You may need to make a label using an adhesive mailing label. The label must not cover brand name of jar. The label must give: Class No, Division, Product, Canning Method, Process Time, Pressure (psi), date processed including month and year, Name, and County/District.
18. Dried foods should be exhibited in a canning jar; food exhibit should be 1/3 to ½ cup, or 4 pieces. Recipe and process must be written on recipe card. Jerky not heated to 160 degrees F will not be judged.
19. Educational exhibits can be a poster (22" x 28" maximum), notebook, or display (2' x 3' tri-fold display board). Follow copyright laws explained in General Rules. **Note:** a collection of favorite recipes is **NOT** an educational exhibit.
20. **All** 4-H foods will be boxed and given to local businesses that support 4-H. A small sample will be left on plates for exhibits.
21. Grand Champion and Reserve Grand Champion food exhibits will be auctioned off before the evening Livestock Premium Sale. 4-H members are responsible for bringing newly prepared food items to the auction for sale.
22. Each 4-H Club will decorate a table to display their Club's 4-H foods exhibits; labels for each individual 4-Her are required. Tables can be set up after foods are judged.
23. All food name brands must be covered. Name brands not hidden will result in one lower ribbon placing.
24. There are no State Fair classes for sections 3, 5, 7, 8, or 9.
25. **All 4-H foods must be entered no later than 11:00 a.m. to be judged!!!**

Sections:

1. A Nonperishable Food Product
2. Educational Exhibit
3. Food Flop
4. Food Preservation Exhibit

5. Recipe Box/Notebook
6. Food Gift Box Exhibit
7. Decorated Cake Exhibit
8. **Favorite Foods Show- held before fair**
9. Modified non-perishable food product. Product must be modified from original recipe to nutritionally enhance the food product. Attach one – 8½ x 11-inch page (front and back) that includes Original Recipe, Modified Recipe, and Narrative to describe modifications made, why modifications were made and lessons learned such as nutritive value, or changes in appearance, doneness, aroma, flavor, tenderness and/or texture. Resources: Altering Recipes for Better Health Purdue University http://www.ces.purdue.edu/extmedia/CFS/CFS/-157-W.pdf and/or Altering Recipes for Good Health Texas A&M University http://www.fcs.tamu.edu/food_and_nutrition/PDF/alteringrecipes.pdf
10. Dried Foods: One kind of dried food product exhibited in a small canning jar. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3-1/2 cup, or three or four pieces per exhibit. All meat jerky must be cooked to 160 degrees F before or after drying. Dried products must include the recipe and preparation steps. Jerky not heated to 160 degrees F will be disqualified and not be judged. Heating information can be found at www.fcs.uga.edu/ext/pubs/fdns/FDNS-E-43-11.PDF
11. 4-H Club Foods Display Tables (not individuals)

Classes: **Junior 7-8 years old Intermediate 9-13 years old**
Senior 14-18 years old

All 4-H foods must be entered no later than 11:00 a.m. to be judged!!!

8 a.m. – 8:15 a.m……. Dynamite 4-H
8:15 am – 9:10 a.m……Lucky 13 4-H
9:10 a.m. – 9:30 a.m…….Cherry Mound 4-H
9:30 a.m. – 10:10 a.m…….Star Shooting 4-H
10:10 a.m. – 11:10 a.m…….Seekers not Slackers 4-H
11:10 – done.....Select Top Awards

4-H Forestry – Dept. 22

Superintendents: Gayla and Grant Corley, Gaylene Comfort

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. Exhibits need to be mounted on 8 ½ x 11-inch heavy card stock paper and placed in a 3 ring binder. (Magnetic or adhesive filler sheets are recommended.)
2. Front cover should include: name, club, age and number of years in project.
3. Place label of specimens in lower right-hand corner of page. Label should include: proper common name as listed in 4-H Bulletin 334 "list of Native Kansas Forrest Trees", location (county) where collected, and date (day-month-year) collected.
4. Exhibit one complete leaf where possible. Where leaf is too large, exhibit as much of terminal portions as possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion comes form.
5. One entry per class.

Knowing Trees as Individuals – Leaf Collections

Sections:

1. Beginning (Choose either A or B)
   A. Exhibit: a minimum of 10 different leaves from native Kansas trees collected within the year. Exhibit may include non-native leaves in addition to the required number of leaf specimens collected from Kansas Native trees.
   B. Exhibit a minimum of 5 native Kansas trees showing leaf, twig and fruit from each species collected.
2. Intermediate (Choose either A or B)
   A.exhibit: a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit may include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.
   B.exhibit: with a minimum of 10 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 5 new leaf, twig, and fruit specimens.
3. Senior (Choose either A or B)
   A Exhibit: a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. Exhibit may include non-native leaves in addition to

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

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

How a Tree Grows

5. Display project notebook with 10 or more seeds collected with pictures showing germination study or a mounting of a thin section of wood cut from the end of a log or top of stump labeled with information such as kind of wood, age of tree, when cut or exhibits an illustration of how a tree grows.

Tree Appreciation

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

Senior Forester
Growing and Protection Trees

7. Display required project notebook telling about project and pictures, before, during and after planting seedlings.

Tree Culture

8. Display required project notebook showing your project work and including pictures of before, during, and after woodlot improvement.

How Forests Serve Us

9. Display may include collected wood samples (all or partial) and 500 word essay. Wood sample display to be mounted on poster board or any stiff mounting material no larger than 2' wide and 3' high. Essay should be displayed in a covered binder.

Educational/Creative Exhibit

10. Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) with a maximum size of 2'x3'. Care should be taken to use materials with the durability to withstand fair conditions. This is a good class to exhibit an unusual collection.

4-H Geology/Lapidary – Dept. 23

Superintendents:

Saturday Judging: Gayla Corley,

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00
Grand Champion and Reserve Grand Champion Ribbons
Champion and Reserve Champion Ribbons given to
Junior, Intermediate, and Senior Sections

2. Geology boxes and exhibits need to be delivered to County Annex between 8:30 am and 9:00 am for judging. All 4-H geology boxes will be judging in the morning, judges will meet with 4-Hers for conference judging to learn how to improve their geology exhibits in the afternoon at 1:00 pm on a first come basis.
3. Exhibit box should be 18"x24"x3 1/2 ". All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep. Plexiglas covers required and must be removable from top. Screws, locks, or other devices preventing judges from removing Plexiglas cover should not be used. All Plexiglas covers must slide out of the top.
4. Exhibitors are to identify each display box by placing a gummed label (from Extension Office) with name, county and number of specimens in the upper left-hand corner of the Plexiglas cover (inside use clear double-sided tape to adhere gummed labels) and by attaching a gummed label with the same information on the lower-right corner of the box (outside).
5. Geology specimens should be labeled with the specimen number, date collected, specimen name or description and locality (county) where collected.
6. Classes 1-7, specimens should be mounted in the box by proper groups – rocks, minerals and fossils. These specimens must be collected from locations in Kansas. Out-of-state specimens will not count in the minimum number for the class, nor will they be considering in judging with the exception of Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO.
7. Classes 1-7, each specimen must be properly labeled:

a. Fossils must be identified to the Phylum, Class and Genus level. More than one specimen the same genus of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda Class: Articulata Genus: Composita). b. Rocks must be labeled with the name of rock type, formation, and the name of the rock.

c. Minerals must be labeled with type of mineral and name of specimen.

8. No mechanically polished or tumbled rocks are to be included in any class other than classes 8 and 9.

Sections:

1. Junior (First year exhibit – 9 specimens) 3 rocks, 3 minerals, and 3 fossils. List the rocks as igneous, metamorphic, or sedimentary.
2. Junior (Second year exhibit – minimum 15 specimens) adds 6 new specimens. List the rocks as igneous, metamorphic, or sedimentary.
3. Junior (Third year exhibit – 21 minimum 21 specimens) adds 6 new specimens. List the rocks as igneous, metamorphic, or sedimentary.
4. Display at least 15 rocks, minerals, and fossils collected during the current 4-H year, 5 rocks, 5 minerals, and 5 fossils. Exhibitor is limited to one exhibit box. (4-Her eligible to show at State Fair first time.)
5. Display of at least 30 different rocks, minerals, or fossils, at least 5 of each. **Fifteen new specimens must be collected during the current year.** Exhibitor is limited to one exhibit box. (4-Her eligible to show at State Fair first or second time)
6. Display of at least 45 different rocks, minerals, or fossils, at least 5 of each. **Fifteen new specimens must be collected during the current year.** Exhibitor is limited to two exhibit boxes. List the rocks as igneous, metamorphic, or sedimentary. (4-Her eligible to show at State Fair third or fourth time)
7. Display of at least 60 different rocks, minerals, or fossils, at least 5 of each. **Fifteen new specimens must be collected during the current year.** Exhibitor is limited to two exhibit boxes. List the rocks as igneous, metamorphic, or sedimentary. (4-Her eligible to show at State Fair fifth time or more)
8. Educational exhibit relating to project work. Exhibit relating geology to everyday living or to a mineral test, a rock formation, geological history, one kind of rock or Indian artifacts. Exhibit limited to 4' table space or no more than 2 exhibit boxes with Plexiglas covers. Specimens in this class may be from out of the State of Kansas. Exhibitors may show in this class regardless of number of times they have exhibited at fair.

Lapidary Classes:

Sections:

9. Display at least 30 stones and minerals that will cut or polish. Five specimens must be collected by the member from a native site (not limited to Kansas). Polish 15 of the gemstones by tumbling. Label giving identification of material and county where collected, or state or country of origin for non-Kansas material.
10. Display at least 6 gemstones and minerals with lapidary treatment. Lapidary treatment may consist of tumbling, polishing an end, face, or flat lapping. Specimens must represent at least 3 different gemstones and minerals, and include at least 3 cabochons of any size or shape. Three specimens must be mounted. Label specimens as appropriate including locality (state) where originated.

Classes: **Junior 7-8 years old Intermediate 9-13 years old**
Senior 14-18 years old

4-H Home Environment – Dept. 24

Superintendents: Hadley Lutz

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. 4-Hers must be enrolled in project. Each item displayed needs a label with name and 4-H Club.
2. One entry per section.
3. Poster or notebook may include swatches, colors, photographs, stories and project records which detail what was accomplished this year with indication of future plans.

Sections:

1. Single Exhibit. An article made or refinished by the 4-Her for the home. Attach a 3"x5" index card explaining how the item was made or refinished, costs involved and how it fits into the color and design of the room.
2. Poster
3. Notebook
4. Room Display – 5-7 items – display needs floor plan sharing where items go in the room, cost of items, and written page about the room items – who did the work, etc. (not eligible for State Fair)

4-H Horticulture – Dept. 25

Superintendents: Gayla and Grant Corley, Gaylene Comfort

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00

Grand Champion and Reserve Grand Champion Ribbons

1. Two entries per section. Must be enrolled in Plant Science project.

Sections:

1. Red potatoes, five
2. White potatoes, five
3. Sweet potatoes, five
4. Yellow tomatoes, five
5. Roma tomatoes, five
6. Red tomatoes, five
7. Cherry ornamental tomatoes, five
8. Grape tomatoes, five
9. White onions, five
10. Yellow onions, five
11. Red onions, five
12. Carrots, five
13. Beets, five
14. Parsnips, five
15. Turnips, five
16. Beans, green snap, twelve
17. Beans, yellow wax, twelve
18. Lima beans, twelve
19. Okra, five
20. Cucumbers, five
21. Bell peppers, five
22. Peppers, not bell, five
23. Jalapeño Peppers, five
24. Anaheim Peppers, five
25. Habanera peppers, five
26. Mango peppers, five
27. Summer squash, one
28. Winter squash, one
29. Eggplant, one
30. Cabbage, one
31. Cantaloupe, one
32. Honeydew, one
33. Watermelon, one
34. Pumpkin, one
35. Miniature Pumpkins, five
36. Sweet corn, 10 ears
37. Popcorn, 10 ears
38. Indian corn, 10 ears
39. Miscellaneous Vegetable not mentioned above: large (1-each); medium (5- each); small (12-each)
40. Garden display – Display consists of 5 different types of fresh vegetables.

    Only one variety of each type of vegetable may be exhibited. The numbers of the five types of vegetables to be exhibited are as follows:

    Large Vegetables (1 each) cabbage, cantaloupe, eggplant, large pumpkin, squash, watermelon

    Medium Vegetables (5 each) beets, carrots, cucumbers, decorative gourds, potatoes, miniature pumpkins, okra, onions, peppers, sweet potatoes, tomatoes, cherry tomatoes or other similar sized vegetables

    Small Vegetables (12 each) green snap beans, wax beans, English peas, or other similar sized vegetables
41. Fresh Culinary herbs (6) example: parsley, basil, dill, etc. Six stems (or a comparable quantity) of ONE VARIETY of fresh herbs must be exhibited in a disposable container of water.
42. Small fruits (one half pint box) example: strawberries, blackberries, raspberries, or other similar sized fruits.
43. Tree fruits (plate of 5) example: apples, pears, peaches, or similar sized fruits.
44. Grapes (plate of 2 bunches)
45. Decorative gourds, five (no State Fair class)
46. Assortment of 3 gourds, any variety (no State Fair class)

Horticulture Notebook – 3-ring binder with written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer's market business, or other horticultural project. 4-Hers are encouraged to

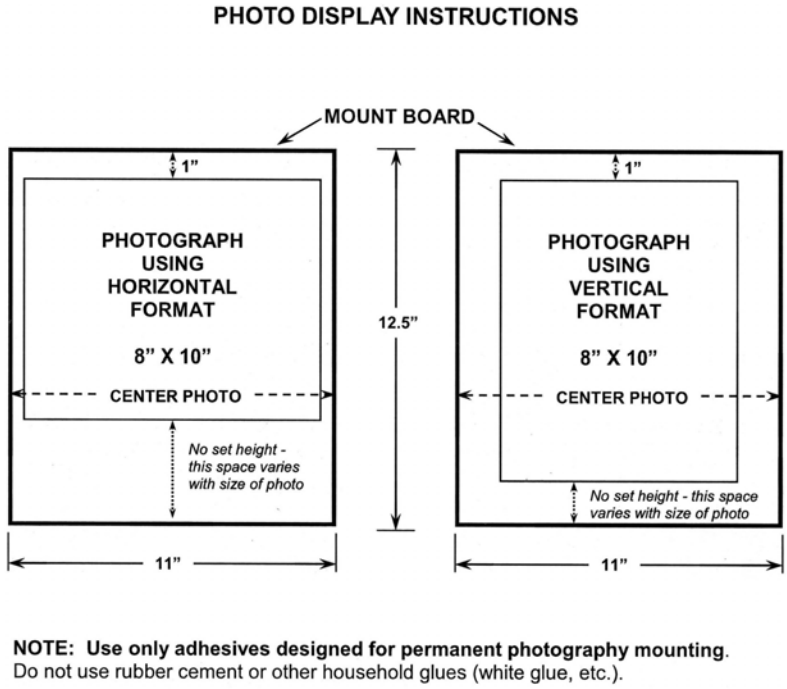
include photos, illustrations/and or landscape drawings to help explain the work done by the member. Photos taken from the same location before, during, and after the completion of the project are suggested.

4-H Photography – Dept. 26

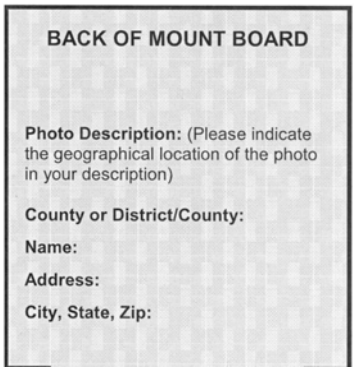
Superintendents: Ian Comfort, Quenton Trammel

Premiums: Purple/Blue - 1.50 R - 1. 25 W - 1.00
Grand Champion and Reserve Grand Champion Ribbons
Ranae Young Award

1. Exhibitors are limited to **10** entries from their current year's project work.
2. All enlargements must be no larger than 8"x10" and no smaller than 7"x9". **Photos are to be mounted across the 11 inches dimension of an 11x12 ½-inch photo matte from the Extension Office. The top edge of the photo must be 1-inch down from the top of the photo matte. Sides of the enlargement photo should be equal distance from the edges of the photo matte.** Remove white border from enlargement prints. A permanent mount should be made by using photographic adhesive available at the Extension Office. See illustration below:



3. No lettering including dates permitted on the front of the photo matte or picture. **On back of photo matte write name, address, location where photo was taken, and Anderson County.**
4. Photos must be exhibited in clear plastic bag – 2 gallon zip loc or purchased from Extension Office with photo matte.



5. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity, or correction, red eye removal, cropping, dodging and burning should be entered in the standard color or black & white sections.
6. Mounting mattes, large clear plastic bags, and photographic adhesive are available from Extension Office at small fee.
7. Monochromatic prints including sepia prints are considered color photos and must be entered in correct color section.
8. Digital Composite Image: Finished photo must be created from two or more original sources created by exhibitor. Photos will be judged on photographic merit as well as manipulation technique and process.

Sections:

1. Color photos taken by a 4-H member with 3 years or less in the project.
2. Color photos taken by a 4-H member with 4-7 years in the project.
3. Color photos taken by a 4-H member with 8 or more years in the project.
4. Black & White Photos – all levels of experience.
5. Digital Composite Image photo must be from an original(s) taken by the exhibitor. Exhibitor must include a second 11 x 12-1/2 matte board mounted with standard size print or prints (if more than one photo was used) of the original photo(s) and 3 x 5 card(s) explaining what manipulation was done. May include additional photos

(standard size and may be layered) showing editing steps. Place both matte boards in the same protective plastic bag. **Note: See rule 8 above for definition.**

6. **Video - Entries must be full motion not a series of still images with pan or zoom motion added by a software program. All content must be the result of the current year's project work. All content must be original and created by the exhibitor(s) unless signed copyright, use and/or performance releases are provided. Entries may be created by an individual or by a team. Talent, computer editing, titles, graphics, animation and music are allowed and recommended. Entries must be one of the following production types: Instructional, Informational, Documentary, Persuasive/PSA, Story or Entertainment. Length must be no longer than three minutes with the exception of Persuasive/PSA which must either be 30 seconds or 60 seconds. Entries will be evaluated on design characteristics, technical content, production quality, and effectiveness. Entries not adhering to the rules and requirements will be awarded a ribbon one placing lower than the placing determined by the official judges. A list of required production elements and the required Video Information Sheet can be downloaded from the Photo Action Team web site: http://www.kansas4-h.org/p.aspx?tabid=141**

Following Sections are not eligible for exhibit at Kansas State Fair.

7. Sequence – 2 or more photos.
8. Story telling sequence -5 or more pictures
9. Photo story may have 3-7 prints, arranged on a matte board or large piece of heavy poster board. No words written on poster front.
10. Photo album – portfolio of work done during the year. Photos are to be categorized, each photo captioned. (Photography or craft judges may judge this entry depending upon their expertise.)

4-H Self Determined – Dept. 27

(Citizenship, Communications, Dog Care & Training, Exploring 4-H, Family Studies, Health & Wellness, Leadership, Performing Arts, Pets, Reading, and Welding)

Superintendents:

Premiums: Purple/Blue - 1.50 Red - 1. 25 White - 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. Self Determined is a project where 4-Hers may choose a special topic to learn and do research. Self Determined is also used as a broader category to include projects where no other Department is practical.
2. There are no Kansas State Fair classes for any of these projects except Dog; a 4-H Dog Show is held at the State Fair.
3. 4-Hers must be enrolled in the project they exhibit. Exhibit must be labeled with the project. **NOT LIVE DOGS** - POSTERS!
4. 4-Hers can exhibit 3 entries per project.

Sections:

1. Poster
2. Notebook
3. Display
4. Item or article

4-H Shooting Sports – Dept. 28

Superintendents:

Premiums: Purple/Blue - 1.50 Red - 1.25 White - 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. **Exhibitors must comply with State and Federal Laws.** No "live" ammunition containing propellant or explosive powders may be used in any display! Artistic substitutes must be used in lieu of powder and "live" ammunition.
2. Name, county, age, and year in project should be in a prominent location on the exhibit.
3. Exhibits can only be shown by 4-Hers with 4-H Certified Shooting Sports Programs. No exhibits can feature reloads.
4. Display or poster must not exceed 36"wide x 24" tall x 3 ½ "deep.

Sections:

1. Educational Display – must be directly related to the shooting sports project.
2. Promotional Poster – must be directly related to the shooting sports project.

4-H Spacetech – Dept. 29

Superintendent:
Premiums: Purple/Blue – $1.50, Red – $1.25, White – $1.00
Grand Champion and Reserve Grand Champion Ribbons

SpaceTech Astronomy

1. One exhibit per class
2. Pre-finished telescopes which require no construction or painting are not acceptable exhibits.
3. Telescopes are limited to no more than two feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
4. Exhibit must include a 4-H Astronomy Exhibit Information Form attached to the outside of a 10”x13” manila envelope. Place inside manila envelope: construction plans or photocopy of plans and two photographs showing telescope construction and operation are required (photographs should be mounted on one side of an 8 ½” x 11” page).
5. Educational displays are limited to a 3’x4’ commercial standard tri-fold display.
6. Posters (22”x28”), notebooks (3-ring binders), and exhibits must have exhibitors name, county, age, and year(s) in project tagged or labeled in a prominent location on telescope stand, educational display, notebook, or poster.

Sections:
1. Telescope made from kit
2. Telescope made from original design
3. Astronomy Educational Display
4. Astronomy Educational Notebook
5. Astronomy Educational Poster

SpaceTech GPS/GIS

1. Each exhibitor may enter one exhibit per class.
2. Educational display boards, posters and notebooks should be creative and showcase something specific you have learned in the GPS/GIS project during the current year.
3. Educational displays are not to exceed a standard commercial 3’ x 4’ tri-fold display board. Commercially available Science Fair Presentation Boards are encouraged. Exhibitors are encouraged to laminate all posters and maps or cover them with clear plastic film.
4. Project notebooks must be organized in a 3-ring binder.
5. Exhibitor’s name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
6. Team exhibits are defined as developed by two or more 4-H members.
7. GPS/GIS exhibit must include a GPS/GIS “Exhibit Information Form”, which should be attached to the outside of a 10”x13” manila envelope. All supporting materials must fit in the manila envelope.
8. Photographs complementing the project are required. Photographs should be mounted on one side of an 81/2”x11” page. A brief caption should accompany each photograph. Place photo page in manila envelope.

Sections:
6. Geocache Box. Include geocache box with contents, description and photograph of location in which box will be located. Check www.geocaching.com for instructions on place and description.

GPS/GIS Map. One map constitutes an entry. Map can be either informational or directional, computer generated or hand drawn. A map is a single product of the data gathering, manipulation and presentation skills. Multiple related maps should be entered under GPS/GIS Community Mapping Projects. Value is placed on youth that can model the learning process, or show how their skills have increased while completing the map.

Sections:
7. GPS/GIS Map - Individual
8. GPS/GIS Map – Team

GPS /GIS Community Mapping Project. Two or more maps on a related project constitute an entry. Maps can be either informational or directional. Complete and attach a Map Project Description Sheet with entry. Community Mapping Projects consist of a detailed goal and multiple applications of either GPS or GIS skills. A conclusion is reached, a problem was evaluated or studied, a solution was found (or the problem was better defined). Value is placed on youth that can model the learning process, or show how their skills have increased while completing the project.
Sections:
9. GPS /GIS Community Mapping Projects - Individual
10. GPS /GIS Community Mapping Projects - Team

Sections:
11. GPS/GIS Educational Poster

12. GPS/GIS Display Board
13. GPS/GIS Notebook - May include, but not limited to, explanation of the parts of a GIS map, illustration of how GPS works, information on "Youth Favorite Places," etc.
14. Team Mapping Educational Display - Display should show and explain the project in detail including printouts of maps, pictures of the project being done, who was collaborated with, and how the project results have and will be utilized. Exhibit must be labeled on the back with the following information for all participating members: name, club, county/district, age as of January 1, and date display was created.
15. Geography Educational Poster
16. Geography Display Board
17. Geography Notebook - Exhibit should include what was learned and knowledge gained about geography. Value is placed on youth that can model the learning process, or show how their skills have increased while completing the project.

SpaceTech Robotics

1. One exhibit per class.
2. Robot must be free standing. Dimensions should not exceed 2' high by 2' wide by 2' deep. Weight may not exceed 15 pounds.
3. All electric components of robots must be adequately covered or concealed with a protective enclosure – not paper.
4. Robots must be powered by an electrical, battery, water, air or solar source only and must include an on/off switch. No remote devices allowed. Solar robot kits often do not have an on/off switch. They may be adapted to include one or they may be exhibited without an on/off switch but are not eligible for the State Fair.
5. Each exhibitor is required to complete the "4-H SpaceTech Robotics Exhibit Information Form" which is available at the Extension Office. This form must be attached to the outside of a 10" x 13" manila envelope. The exhibit must include written instructions for operation, construction plans, one to three pages of project photographs or a 5 minute CD, DVD, or video presentation, and robot programming information, if applicable. This information should be placed inside the 10" x 13" manila envelope mentioned above.
6. Robots that include weaponry of any kind will be disqualified.
7. Exhibitor's name and county must be tagged or labeled in a prominent location on the robot, educational display or notebook.
8. Educational displays must not exceed the commercial standard 3' x 4' trifold display.

Sections:

18. Robot made from a commercial (purchased) kit.
19. Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
20. Programmable robot made from a commercial (purchased) kit.
21. Team robot - designed and constructed by two or more 4-H SpaceTech project members. The robot must not be a mere modification of an existing robot kit or plan. The robot may be a programmable type that is made from a commercial (purchased) kit. This division is designed to encourage teamwork and cooperation among fellow 4-H SpaceTech members. As with many high tech projects today, no one person designs and builds a robot alone. It takes the brainstorming, planning, problem solving, and cooperation of an entire team to complete a given robotics project. Exhibitors in this division will be assigned a task for their robots to perform. The tasks are changed annually. Please visit the Space Tech website http://www.Kansas4-H.org/ for the current year's task.
22. Robotics Educational Display (individual or team)
23. Robotics Educational Notebook (individual or team)
24. Robotics Educational Poster (individual or team)

Classes:

1. Novice – One to Two Years in Robotics Project
2. Intermediate – Three to Four Years in Robotics Project
3. Professional – Four or More Years in Robotics Project
4. Team

SpaceTech Rocketry

1. Kansas 4-H has adopted the National Association of Rocketry's rules, regulations, and safety guidelines.
2. There is a large amount of detail concerning rules in the Kansas State Fair Book. Please contact the Extension Office or see www.kansas4h.org for more information.
3. Two exhibits per exhibitor. Exhibitors can not enter two rockets in the same class.
4. Rockets must have been flown. Multi-stage rockets can be flown using just the final stage and be considered fully flown. (split up into 2 rules)
5. Beginner kits with prefabricated fin assemblies and pre-finished rockets requiring no painting are not acceptable as exhibits.
6. Support rods must not extend past the tip of the highest nosecone on the model. Support rods must remain in the upright position – do not angle. NO model may be submitted on a launch pad.

7. Engines and igniters are not permitted with the exhibit.
8. The 4-H SpaceTech Rocket Exhibit Information Form should be glued to a 10”x13” envelope. Plans (or a photocopy) must be placed inside the envelope. If changes have been made to a rocket from a kit, those changes must be indicated. One or more photographs of the rocket at the launch site are required. Photographs showing the rocket at the moment of ignition are preferred. Photographs should be mounted on one side of an 8 ½” x 11” page. 1-5 pages of photographs are accepted.
9. Rockets entered in original design classes need a summary description of how the rocket was tested for stability prior to flying.
10. 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.
11. Flight damage needs to be documented by exhibitor. The judging of flight damage is secondary to all other aspects of the model.
12. Original design rockets cannot be a modification of a kit.
13. Each rocket must be able to stand freely by itself or be supported by a solid base not to exceed ¾” thick and 8” square.
14. Alternative Skins are an advanced construction technique – thin coverings over supporting skeleton serving as the finish of a rocket as opposed to painting. Contact Extension Office for Kansas State Fair requirements.
15. Engines may not be used as display stands hollowed out or otherwise. This is a significant change from 2010 and previous year’s rules. Engines used as a display stand will be subject to immediate disqualification.

Sections:
25. Rocket made from kit. Include plans.
26. Rocket designed by exhibitor; not merely a modification of an existing kit. Include original plans. Must be 11+ years old (class 2 or 3).
27. Rocket designed by exhibitor that uses alternative skins; not merely a modification of an existing kit. Include original plans. Must be 14+ years old (class 3).
28. Rocket designed by 2 or more exhibitors; not merely a modification of an existing kit. Include original plans. Must be 11+ years old (class 2 or 3).
29. High power rocket made from kit or original design. Must be 14+ years old (class 3).
30. Rocketry Educational Display
31. Rocketry Notebook
32. Rocketry Poster Board

Classes:
1. Exhibitors 7-10 years old (Sections 25, 30, 31, and 32 only)
2. Exhibitors 11-13 years old
3. Exhibitors 14 years and older

4-H Visual Arts – Dept. 30

Superintendents: Britton Brownrigg, Sarah Steedley, Erin Steedley,

Premiums: Purple/Blue – 1.50 Red – 1.25 White – 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. Eight craft items can be exhibited.
2. Pictures/drawings must be mounted on cardboard with hangers or mounted in picture frames with hangers. Each piece of an exhibit needs to be labeled with exhibitor’s name and 4-H Club.
3. Judges evaluation of the suitability, creativeness, and values used in making the exhibit are final.
4. All 4-H craft items will be conference judged at the Saturday pre-fair judging day held at the Anderson County Jr/Sr High School from 8:30 am to noon.

Sections:
1. Art/ Craft project

4-H Wildlife – Dept. 31

Superintendents:

Premiums: Purple/Blue – 1.50 Red – 1.25 White – 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. One exhibit per section.
2. **Exhibitors must comply with State and Federal Laws.** It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds. Game birds and game animals taken legally during an open season may be used. The use of live wild animals in educational exhibits is prohibited.

3. Name, county, age and year in project should be in a prominent location on the exhibit.
4. Display or poster must not exceed 22”x 28”. Maximum size for tri-fold display is 2’x3’.

Sections:

1. Notebook: contents pertain to some phase, results, story or information about the wildlife project.
2. Educational Poster: must be related to something learned in the wildlife project.
3. Educational Display: must be directly related to the wildlife project.
4. Taxidermy/tanning exhibit: should include an attachment that shows the work in progress through photos with captions, or a detailed journaling of the process.

4-H Woodworking – Dept. 32

Superintendents:

Premiums: Purple/Blue - 1.50 Red - 1.25 White - 1.00
Grand Champion and Reserve Grand Champion Ribbons

1. Exhibitors may show two items per section.
2. The plan from which the item was constructed must be with the article exhibited. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide.
3. Projects with unsecured glass (glass shelves, glass top of a coffee table) should not be brought to the fair. Glass secured in the project (glass front of a cabinet or gun case) is permissible since it cannot be easily removed.
4. **NO** projects made from pre-cut kits will be allowed.
5. 4-H woodworking projects eligible for exhibit at the Kansas State Fair will be handled the following way: Exhibits that can be packed into a car will be taken to the Kansas State Fair by Extension agents; exhibits too large to fit in a car are the exhibitor’s responsibility for transport and pick-up at the State Fair.

Sections:

1. Article for farm or shop use.
2. Furniture for household or lawn use.
3. Articles made at school
4. Other woodworking articles not included in classes above such as: (bird houses, bird feeders, household equipment such as knife racks, bread boards, door stops, etc.)

FFA – Dept. 33

Superintendents: Jeff Gillespie

Premiums: Blue - 1.50 Red - 1. 25 White - 1.00
Grand Champion and Reserve Grand Champion Ribbons Given

1. All entries must be current year projects of FFA members in Anderson County.

Sections:

1. Shop Article Costing $150 or More
2. Shop Article Costing Under $150