4-H DEPARTMENT
GENERAL RULES

1. Exhibition in this department is limited to Rogers County 4-H members.

2. *The 4-H member should enter the class that matches his/her 4-H age (age before September 1 of the calendar year.)

3. Exhibits should be labeled according to 4-H manual instructions.

4. All exhibits are to be entered Tuesday, 2:00 p.m. to 7:00 p.m. Exhibits will be released Sunday, 1:00–3:00 p.m.

5. All exhibits must have been made and completed by the exhibitor during the last year, and cannot be entered more than one time, except for classes which are collections that are added to in successive years.

6. Notification of any changes in exhibits will be made in the 4-H newsletter.

7. COPY WRITTEN MATERIAL AND REFERENCING SOURCES
   All 4-H exhibits should be the original work of the 4-H member. When information is taken from books, publications, magazines, or from the internet it should be expressed in the 4-H members own words. The 4-H member must reference the source of the information by using an asterisk (*) or a number (if more than one) and name the actual source at the end or bottom of paper, poster or educational display following an asterisk or corresponding number in text.

   No copyrighted or trademark protected written or visual material (pictures, photos, drawings, illustrations, etc.) should be used from books, magazines, publications or from the internet with out permission from the original creator. If 4-H'er applies for and is granted permission to use a copyrighted or trademark protected item, a copy of the permission form or letter needs to be attached to the back of the exhibit and properly cited with an asterisk(*) or number. If an item (picture, photo drawing, illustration, etc.) that is not protected is used its source must be cited and referenced by using an asterisk (*) or number and the source information placed at the end or bottom of paper, poster, or educational display, following an asterisk or corresponding number.

8. 4-H members who enter crops and horticulture must be able to prove that such crops entered in his/her name were produced by the member during the current year.

9. All educational displays must have stable freestanding backs with sides attached. This includes Section 301, and educational displays in specific project areas. See class description for size requirements. Educational displays must be 3-dimensional. **NOTE:** The size indicated in specific classes is the maximum table space allowed when sides are extended. Do not include valuables, food items that will spoil or potentially harmful products (such as aspirin, cleaning products, chemicals, etc.) in any educational display. Neither the Rogers Co. Fair nor the 4-H Program can accept responsibility for loss of valuables. Potentially harmful products will be discarded. Text of posters should be readable from at least 10 ft. away.

10. For display purposes, exhibitors are encouraged to heat laminate all posters or cover them with clear plastic laminate. **Posters must be signed and dated on the back with a permanent marker before laminating**. All posters must be flat (no 3-dimensional posters). Text of posters should be readable from at least 10 ft. away.

11. Exhibits should be permanently signed and dated, in an inconspicuous location, if material permits. Some exhibits that should be signed and dated are posters, most expressive arts including fine art, ceramics, woodworking and woodcrafts, herbarium cards, seed boards, forestry and wood sample exhibits and model rocketry. Judge or Judging Committee may permanently mark exhibit with year if not signed and dated. Effort will be made to mark it in an inconspicuous place.

REQUIRED TRADEMARK DESIGNATION FOR USE OF 4-H CLOVER

When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, unless poster and clover are hand drawn.

COMMUNICATION AND EXPRESSIVE ARTS DIVISION

SECTION 300 4-H POSTER ART EXHIBIT

Poster must be constructed on poster board 14" x 22" (1/2 of a poster board). They may be horizontal or vertical. Poster may be produced by any medium—watercolor, ink, crayon, acrylic, charcoal, collage, computer, etc. Poster must be flat. Do not use three-dimensional pieces on posters. Posters will be judged on (1) educational idea portrayed, (2) public appeal, and (3) creative and original ability presented. (**NOTE:** Posters in this section must include 4-H Clover or mention 4-H. When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, unless poster and clover are hand drawn.) Copyrighted or trademarked cartoon characters or other designs must not be used due to copyright restrictions. For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic laminate. **Posters must be signed and dated on the back with a permanent marker before laminating.** Text of posters should be readable from at least 10 ft. away. Individual 4-H member can enter one exhibit per class, but is restricted to those exhibits designed for his or her age group. All exhibitors must be at least 8 years old and in 3rd grade by September 1. **(NOTE: The 4-H member's name, age before September 1, and county should be on the back of the poster in the upper left hand corner.)** For more information on proper use of the 4-H clover please refer to http://4h.okstate.edu/educators/4-h-name-and-emblem.

Beginner Division (Ages 8*—11)

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

CLASS:

1. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or 4-H project.
2. Poster designed to promote 4-H and using the National Campaign "4-H Grows Here"
3. Poster recognizing or documenting one of the following: Oklahoma 4-H history during one decade or the evolution of a particular 4-H project area over the decades

Intermediate Division (Ages 12—14)

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

4. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or 4-H project.
5. Poster designed to promote 4-H and using the National Campaign "4-H Grows Here"
6. Poster recognizing or documenting one of the following: Oklahoma 4-H history during one decade or the evolution of a particular 4-H project area over the decades

Advanced Division (Ages 15 & over)

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

7. 4-H promotional poster designed to recruit 4-H members, volunteers or promote any 4-H event or promote any 4-H project.
8. Poster designed to promote 4-H and using the National Campaign "4-H Grows Here"
9. Poster recognizing or documenting one of the following: Oklahoma 4-H history during one decade or the evolution of a particular 4-H project area over the decades.

SECTION 301
4-H EDUCATIONAL BOOTH DISPLAY

Each club is eligible to enter one educational booth per class. This must be an in-depth look at a 4-H project or projects. Space for the booth is 3 feet deep and 4 feet wide (with sides extended). Back is 4 feet high. There will be no solid dividers between booths. Use lightweight material for ease in transporting. Display must be free standing. Models, photographs, posters, or other means of display may be used. Criteria for judging will be (1) effectiveness of the message, (2) appropriateness to the theme, (3) interest and attractiveness to the public. Notification of intent to enter should be made in the OSU Extension Office by September 1. All booths will receive Blue, Red or White ribbons. Acceptable booths will be awarded $10.00. The top booths will receive a rosette and will represent Rogers County in the Tulsa State Fair.

Display must focus on **one** of the following and be suitable for display at a local business during National 4-H Week or at another time.

- Promotion of a specific 4-H project, member recruitment, current youth issues.
- Community Service
- The National Campaign "4-H" Grows Here"

Do not include valuables, food items that will spoil or potentially harmful products in any educational display. The 4-H program cannot accept responsibility for loss of valuables. Potentially harmful products will be discarded.

EXHIBITS IN THIS SECTION MUST PROMINENTLY DISPLAY A 4-H CLOVER OR MENTION 4-H. When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, except for hand drawn clovers. For more information on proper use of the 4-H clover please refer to http://4h.okstate.edu/educators/4-h-name-and-emblem.

Class:

1. Educational Booth Display (other than community service or Building your 4-H Legacy. Display may be project area, member recruitment, current youth issue, event, etc.
2. Community Service Booth Display—Sharing about a community service that 4-H member or county group has done. Should include pictures, examples, and scope of projects. The impact on others will be an added criterion for judging. Project should be the extension of a 4-H project area.
3. Display using the National Campaign "4-H Grows Here"

SECTION 302
4-H PHOTOGRAPHY

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

These exhibits consist of photos taken by the individual exhibitors. A photo can be entered only one year. Individuals can exhibit in only one Level, and may enter only one exhibit per class in that level. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

- Level 1 is for members who have beginning skill level.
- Level 2 is for those who have intermediate skill level.
- Level 3 is for those who have advanced skill level.
- All ages within each level are before January 1 of the current calendar year.

DIGITAL PHOTOS may be entered. Adjustments to digital photographs are limited to color and contrast adjustments, cropping, gray scaling, exposure adjustments, and red eye reduction (with the exception of classes 25-28).

PRINTS: Black and white or color prints may be exhibited. Prints must be no smaller than 4"x6" and no larger than 5" x 7" (except when panoramic prints are used) for all classes, except classes 5, 10, 14, 18, and 19-22 where prints may be up to 8" x 10". Prints should be printed on photo-quality paper (not copy paper). Print quality is taken into consideration by the judges.Photos will be disqualified if in a frame.

TITLES, CAPTIONS AND OTHER REQUIRED INFORMATION: On the front of the board, there must be a title (i.e. My Trip to the Zoo) **and** each photo must have a caption giving the viewer more information about the photograph. The back of each board must include the exhibitor's name, county, number of years in the 4-H photography project, camera type (digital SLR, smart phone, digital point-and-shoot or 35 mm film), and megapixels (if camera is digital).

BOARDS: Prints must be securely attached to the surface of a single black or white (not colored) poster board, foam core, or mat board. Photos will be disqualified if on regular printing paper or cardstock. No double matting, use of multiple layers or more than one color. The entire print must be seen and cannot be masked in any way. Boards must be 14" x 14" for all classes.

PHOTOGRAPHY EXHIBITS
LEVEL 1: Focus on Photography
(For members who have beginning skill level)

Junior Classes—Ages 8*—13

1. Four photos, one from each of the following categories: people, animals, plant life and scenery.
2. Four photos of people doing different things, showing a variety of activities, camera angles and lighting choices.
3. Four otherwise outstanding photos showing common mistakes in picture taking. The caption for each print must correctly identify what is wrong and provide an appropriate solution to prevent the mistake.
4. Series of 4 photos telling a story or illustrating a single event.
5. Best individual photo made this year.

Senior Classes—Ages 14 & over (for members who have taken beginning skill level)

6. Four photos, one from each of the following categories: people, animals, plant life and scenery.
7. Four photos of people doing different things, showing a variety of activities, camera angles and lighting choices.
8. Four otherwise outstanding photos showing common mistakes in picture taking. The caption for each print must correctly identify what is wrong and provide an appropriate solution to prevent the mistake.
9. Series of 4 photos telling a story or illustrating a single event.
10. Best individual photo made this year.

LEVEL 2: CONTROLLING THE IMAGE
(Level 2 is for members who have intermediate skill level)

Junior Classes—Ages 8*—13 (for members who have intermediate skill level)

11. Four photos showing good composition, such as placement of subject, framing, contrast or perspective. The caption for each photo or the title of the board must explain the ideas being illustrated.
12. Four action photos showing use of film speed or digital ISO, please include the film speed or digital ISO, shutter speed and aperture (if the camera is adjustable).
13. Four photos showing effect (lighting, media, techniques and processes). The caption for each photo or the title of the board must explain the ideas being illustrated.
14. Best individual photo made this year.

Senior Classes—Ages 14 & over (for members who have intermediate skill level)

15. Four photos showing good composition, such as placement of subject, framing, contrast or perspective. The caption for each photo or the title of the board must explain the ideas being illustrated.
16. Four action photos showing use of film speed or digital ISO, please include the film speed or digital ISO, shutter speed and aperture if the camera is adjustable.
17. Four photos showing effect (lighting, media, techniques and processes). The caption for each photo or the title of board must explain the ideas being illustrated.
18. Best individual photo made this year.

LEVEL 3: MASTERING PHOTOGRAPHY
(Level 3 is for members who have advance skill level—All Ages.)

19. Four photos showing members' knowledge of one of the following: different lenses, photo lamps, existing light, filters, or special effects. The caption for each photo or the title of the board must explain the idea(s) being illustrated.
20. Four outstanding "people" pictures.
21. Four landscapes or nature photos.
22. Best individual photo taken this year.

Digitally Adjusted Photos

Exhibit must include both the original photo labeled "original photo", the digitally adjusted photo labeled "adjusted photo", with a short summary of what was done (cropping, red-eye removal, color or contrast adjustment, gray scaling exposure adjustment, etc.). Must be on a single black or white poster board, foam board or mat board 14" x 14".

23. Junior (8*-13 years old)
24. Senior (14 & over)

Digitally altered photograph/photographic illustration taken with a digital camera by the exhibitor. Alterations are beyond common photography techniques of red eye removal, cropping, etc. Exhibit includes a print of the original photograph, labeled "original photo", and the digitally altered image, labeled "photographic illustration". Must be securely attached to a single black or white foam core or poster board 14" x 14". Attach up to 1/2 page of written explanation of the alterations to the back of the exhibit.

25. Junior (8*-13 years old)
26. Senior (14 and over)

Digitally altered scanned image. Exhibit must include the original image, labeled "original image", and the digitally altered image, labeled "altered image". Alterations are beyond common photography techniques of red eye removal, cropping, etc. Must be securely attached to a single black or white foam core or poster board 14" x 14". Attach up to 1/2 page of written explanation of the alterations to the back of the exhibit. Trademark images may not be used.

27. Junior (8*-13 years old)
28. Senior (14 and over)

SECTION 303
4-H EXPRESSIVE ARTS
1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

Individual members may enter only one exhibit per class. Exhibits in all classes are limited to items that cannot be exhibited in other sections. Paintings, drawings and other items that would be hung must have a hanger attached or they may not be displayed.

Exhibits must be permanently signed and dated in an inconspicuous location, if size and material permits. Ceramics should be signed before firing. Exhibits in all classes are limited to items that cannot be exhibited in other sections. *All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Junior—Ages 8*—13
Senior—Ages 14 & over

1. Jr. Fine Art—Pencil, Charcoal, Pastels, Chalk, Ink
2. Sr. Fine Art—Pencil, Charcoal, Pastels, Chalk, Ink
3. Jr. Fine Art—Water Color
4. Sr. Fine Art—Water Color
5. Jr. Fine Art—Oil or Acrylic
6. Sr. Fine Art—Oil or Acrylic
7. Jr. Ceramics—Glazed (maximum of one piece)
8. Sr. Ceramics—Glazed (maximum of one piece)
9. Jr. Ceramics—Stained (maximum of one piece)
10. Sr. Ceramics—Stained (maximum of one piece)
11. Jr. Pottery—Original design made from clay using a process of hand molding or a potter's wheel.
12. Sr. Pottery—Original design made from clay using a process of hand molding or a potter's wheel.
13. Jr. Print Process Article—Block printing & other printing methods
14. Sr. Print Process Article—Block printing & other printing methods
15. Jr. Nature Craft—Article made from natural materials including weaving or basket making
16. Sr. Nature Craft—Article made from natural materials including weaving or basket making
17. Jr. Bead Craft Article
18. Sr. Bead Craft Article
19. Jr. Leather Craft—Kit
20. Sr. Leather Craft—Kit
21. Jr. Leather Craft—Original Design
22. Sr. Leather Craft—Original Design
23. Jr. Hand Crafted Wax Candle
24. Sr. Hand Crafted Wax Candle
25. Jr. Hand Crafted Gel Candle
26. Sr. Hand Crafted Gel Candle

27. Jr. Puppet
28. Sr. Puppet
29. Jr. Paper Craft
30. Sr. Paper Craft
31. Jr. Plastic Craft—includes but not limited to Lego™ Art. If Lego™ Art is entered, it must be glued.
32. Sr. Plastic Craft—includes but not limited to Lego™ Art. If Lego™ Art is entered, it must be glued.
33. Jr. Duck Tape Craft
34. Sr. Duct Tape Craft
35. Jr. Miscellaneous (limited to items that cannot be entered in any other class)
36. Sr. Miscellaneous (limited to items that cannot be entered in any other class)

SECTION 304—4-H SCIENCE AND TECHNOLOGY EXHIBITS

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

The 4-H technology exhibits are open to all ages. They will be judged separately in two age groups. Juniors—ages 8*-13; Seniors—ages 14 & over. All exhibitors must be at least 8 years old and in 3rd grade by September 1. Every exhibit must be labeled on the back with the following information: Name, Club, County, Age before September 1 and date poster or exhibit was made. Copy written materials such as professional photos, books, publications or items on the internet **should not be used** as original. Exhibits displayed as posters must be constructed on poster board 14" x 22" (1/2 of a poster board). They may be horizontal or vertical. Posters will be judged on (1) educational idea portrayed, (2) public appeal, and (3) creative and original ability presented. Copyrighted or trademarked cartoon characters or designs must not be used due to copyright restrictions. For poster exhibit displays, exhibitors are encouraged to laminate or cover all posters with clear plastic film. Text of posters should be readable from at least 10 ft away. Promotional exhibits in this section must include an official 4-H Clover or mention 4-H. For more information on proper use of the 4-H clover please refer to http://4h.okstate.edu/educators/4-h-name-and-emblem.

Flat flyer (one-sided) designed by the exhibitor to promote a club or county 4-H education program or activity. Computer generated flat flyer (8 1/2" x 14" or 8 1/2" x 11"). Flat flyers should be securely attached to an appropriately sized poster board.

1. Junior 2. Senior

Brochure, card or invitation related to 4-H (may be double-, tri– or four-fold measuring 8 1/2" x 11" or 8 1/2" x 14" before folding). Attach 2 flat copies of the brochure (one side showing the front and the other side showing the back of the brochure) to an appropriately sized poster board no larger than 14" x 22" - 1/2 of a poster board. Attach a large envelope to the back of the board and insert a folded copy of the brochure.

3. Junior
4. Senior

Power Point Presentation related to 4-H. Presentation should either promote 4-H or educate about a 4-H project. Presentations should include an official 4-H Clover or mention 4-H. Presentation entry includes a printout of at least 5 slides and script/presentation notes in a folder or notebook. Include presentation file in a labeled CD (in an envelope). All PowerPoint presentations should be mounted on a free standing display board not to exceed 36" x 36" when the sides are extended for display. Commercially available "Science Fair Presentation Books" are encouraged.

5. Junior
6. Senior

Digital Media—Submit a video (1 minute) designed for social media use on STEM projects. Video can be promotional, informational, music, or a documentary. The video must be an .MP4 format and submitted on a flash drive. Videos must only contain first names of the participants and participants must have a signed media release form on file in their county 4-H office (found on the 4-H enrollment card.)

7. Junior
8. Senior

Global Positioning Systems (GPS) Geographic Information Systems (GIS) Exhibits

- 4-H Youth will learn about Geographic Information Systems (GIS) concepts by collecting data on a location, describing the attributes.
- ☒ Youth will learn about geospatial technology applications and future career opportunities by working with local government agencies and project partners in their own communities.
- Increased youth involvement in community service and awareness projects that impact local communities by enhancing economic and community development. The 4-H GPS/GIS exhibits will be judged in two age groups. Juniors—ages 8*-13 year olds; Seniors—ages 14 & over. Every exhibit must be labeled on the back with the following information: Name, Club, County, Age before September 1 and date poster, map or exhibit was made.
- Posters/Maps must be 14" x 22" - 1/2 of a poster board. Exhibitors are encourage to laminate all flat exhibits or cover them with clear plastic film. Maps may be affixed to poster board. The map itself doesn't have to be the full 14" x 22".
- Displays must be free standing and not be larger than 3' x 3' (width & depth) with sides extended for display.

Poster—"Draw a Scientist" with explanation identifying what a scientist is.
9. Juniors (8*-13)
Poster—"Careers in STEM" with information about education background and what the career is.
10. Seniors (14 & over)
Display illustrating how GPS works, including the user, control and space segments of the system.
11. Juniors (8*-13)
12. Seniors 14 & over)
Geocache box. Exhibit would include geocache box with contents, description & photograph of the location in which the box will be located. (Check Geocaching.com for instructions on placing and describing)
13. Juniors (age 8*-13)
14. Seniors (age 14 & over)
Hand drawn map. Map can either be informational or directional. Attach a one page explanation of the purpose for the map.
15. Juniors (8*-13)
16. Seniors (14 & over)
Computer generated map. Map can be either informational or directional. Attach a one page explanation of the purpose for the map.
17. Juniors (*8-13)
18. Seniors (14 & over)

Group Projects (Developed by two or more 4-H members)

Computer generated map. Map can be either informational or directional. Attach a one page explanation of the purpose for the map.
19. Juniors (8*-13)
20. Seniors (14 & over)
Club or County Mapping Project Display
21. Displays must be free standing and are limited to 36" x 36" (width x depth) when sides are extended. Commercially available "Science Fair Presentation Boards" are encouraged. It 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, Age before September 1 and date poster or exhibit was made.

4-H Robotics

The goal of the 4-H robotics program is for 4-H members to explore science, technology and engineering through designing and building a functioning robot. The robot can be either programmable or remote controlled. The robot can be created by an individual or a group.

- The 4-H robotics exhibits are open to all ages. They will be judged separately in two age groups. Juniors—ages 8*-13 years olds; Seniors—ages 14 & over. Every exhibit must be labeled on the back with the following information: Name, Club, County, Age as of September 1 and date poster or exhibit was made.

- Attach a 3" x 5" index card to each robot/exhibit, explaining:
  Construction material, how constructed and goal of project.
  Year in project — Age of member
  Whether or not made from kit — Other pertinent information
- Each exhibit should have a one page report explaining the function, purpose and construction of the robot.
- Displays must be free standing and are limited to 36" x 36" (width & depth) when sides are extended for display.

Programmable Robot

22. Juniors (*8-13)
23. Senior (14 & over)

Remote-controlled Robot

24. Juniors (8*-13)
25. Senior (14 & over)

Display with photographs and explanation of a member developed robot which is not available for exhibit.

26. Juniors (8*-13)
27. Senior (14 & over)

Projects Group Developed by two or more 4-H members working together (Include all 4-H members' information involved on index card)

28. Programmable Robot
29. Remote-controlled Robot
30. Display with photographs & explanation of a member developed robot which is not available for exhibit.

Simple Machines

Marshmallow catapult challenge design task

Design requirements: Design a trebuchet-style swing arm catapult. It may be similar to a teeter-totter or swing set. The beam (arm) is able to swing (go up and down). The arm of the catapult must be adjustable from the center to an offset (One side of the beam is longer from center pivot point). Use at least five (5) different types of materials or parts (craft sticks, brads, dowels, etc.). Use weights and gravity as the power source. Launch a marshmallow at least six (6) feet. Reference: National 4-H Curriculum, Junk Drawer Robotics, Level I. Attach a 3x5 note card. Explain how you built and tested your catapult. Chart your marshmallow launches.

31. Juniors (8*-13)
32. Seniors (14 and over)

Wind turbine

Use the 2011 National Science Experiment Youth Guide to design, build and test your own wind generator. Wind generators must be homemade and not built from a kit. Test your turbine with a multi meter and report your results on a 3 x 5 card attached to your turbine. http://www.4-h.org/4-h-national-youth-science-day/past-experiments-archives/

33. Juniors (8*-13)
34. Seniors (14 and over)

SECTION 305—4-H SCIENCE DISCOVERY PROJECTS

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

The goal of this project and exhibit is to allow 4-H members to:

- Use the scientific method to gain an understanding of how things work and the variables that affect them.
- Take an open and creative approach to problem solving.
- Learn that a successful outcome is based not on personal opinion but on scientific fact.
- Improve written and visual communication skills.

4-H members are encouraged to use their 4-H projects as the basis for their scientific research and discovery project. Exhibits should relate to one of the following topics:

- Behavioral & Social Sciences
- Biochemistry, Medicine, & Health Sciences
- Botany & Zoological Sciences
- Computer Science
- Earth & Space Sciences
- Engineering
- Environmental Sciences
- Mathematics
- Physical Sciences

A few resources for finding project ideas are:
WWW Virtual Library: Science Fairs—http://physics.usc.edu/~gould/ScienceFairs/
Information about Oklahoma Science Fairs—http://ossef.ecok.edu/
Displays must be free standing and are limited to 36" x 36" when sides are extended. Commercially available "Science Fair Presentation Boards" are encouraged. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Classes:

1. Beginning Division (8*-11 year olds)—A display illustrating the project.
2. Intermediate Division (12-14 year olds)—A display with an accompanying report of approximately two typewritten pages.
3. Advanced Division (15 year olds & over) - A display and a written report about the project that includes an interview with a scientist or someone who works in the area that is being studied. Reports should be three to five pages in length.
4. Team Exhibit (All Ages) - Team may include a maximum of three members. A display and a written report about the project. It is recommended that it includes an interview with a scientist or someone who works in the area that is being studied. Reports should be three to five pages in length.

CONSUMER/FAMILY SCIENCES DIVISION

SECTION 306—4-H FABRICS & FASHIONS

The Skill Mastery sheet http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/fabric/skill-mastery-sheets is an education tool to guide project construction for fair exhibits. The projects have been carefully selected and directed for members to investigate and learn specific skills and information. The end product is being evaluated on the skills "you learned," as identified on the age appropriate skill sheet. It is encouraged that the sheet be submitted with the exhibit with the exception of the story board, portfolio and creative components. The intent is that the sheet serves as a "personal reflection" which shows the judge how much you really learned. Why? Because in 4-H, reflection and application are just as important as the end product. Sheets will not be displayed and will be returned. Not because the sheet is not important, but to simplify displaying. Use the skill sheet as a planning tool. Ask yourself, "What skills are necessary to learn and appropriate to apply to my project's design and construction? It is important the each 4-H member take responsibility for the life skill of "learning to learn." This may require members, leaders & educators to look up terms & learn techniques as part of the educational process.

Projects being exhibited for competition will be evaluated on the 4-H members "mastery" of skill (s) and subject matter. The 4-H Fashion and Fabrics Member's & Leader's Guides provide basic information that members need to learn (master) and demonstrate in their project work. Members are encouraged to seek out other valid resources which teach proper technique and knowledge in the areas of design and construction.

General Skills to be mastered in project/product in ADC, IDC and HTDC:

Structural Design: Construction technique, size, form, color and texture suited to the materials and product end use.

Elements of Design: The finished product illustrates the member is learning or "mastering the basic elements of design - lines, shapes or forms, textures, colors, and space.

Principles of Design: The finished product illustrates an awareness and application of the principles of harmony, proportion, balance, rhythm and emphasis adding dimension, interest and/or appeal to the finished product.
Surface Design: Any lines, shapes, colors, textures, or materials applied to the product or item design that creates an emotional or personal quality, individuality and creative expression without disturbing initial/end purpose. Design is that something which makes the item unique to the individual designer.
Project Resources – Go to http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/fabric **Family and Consumer Sciences** for guidance for some of the new projects. These resources will better define multimedia, storyboard, portfolio, scientific and service learning models, leadership, historical/cultural significance, etc.
Got Questions? Ask them on the OK 4-H Fabric and Fashions Q&A Facebook page https://www.facebook.com/pages/OK-4-H-Fabric-and-Fashions-QA/700780739954148
Descriptions – Any project requiring a description will include 1-2 pages, double spaced, 12 point font. Neatly/legible hand written descriptions are acceptable.
A 4-H member may enter one exhibit per class. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.
Hangers will not be returned.

Competitive Classes
1st - $8.00 2nd - $6.00 3rd - $4.00 4th - $3.00 5th - $1.00

APPAREL DESIGN & CONSTRUCTION – (ADC)
NEW - Each piece of project work must include a completed "Skill Mastery Sheet" signed by the exhibitor and securely attached with a safety pin.

Level 1 (Ages 8*-10)
Project must have at least 2 of the skills required for the ADC level 1 project work.
1. **Simple Tops** (shirt, tank top, t-shirt, vest, poncho, any other similar item not stated)
2. **Simple Bottoms** (shorts, capris, pants, skirts, any other similar item not stated)
3. **Non-human Apparel** (doll clothes, pet or livestock garment, any other similar item not stated)
4. **Sewn Fashion Accessory** (sewn hats, scarves, bag, wallet, string-pack or textile based jewelry, any other similar item not stated)
5. **Knitted/Crocheted Yarn/Thread Fashion Accessory** (knitted/crocheted hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)

Level 2 (Ages 11-12)
Project must have at least 2 of the skills required for the ADC level 2 project work.
6. **One piece garment with facing** (robe, jacket, dress, jumpsuit, shooting vest, any other similar item not stated)
7. **Simple Bottom with pocket and/or waistband or facing** (shorts, capris, pants, skirts, any other similar item not stated)
8. **Two piece garment** (top and bottom, jacket/vest with bottom/dress, PJ's, any other similar set of items, not stated)
9. **Non-human Apparel** (doll clothes, pet or livestock garment, any other similar item not stated)**Sewn Fashion Accessory** (sewn hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)
10. **Sewn Fashion Accessory** (sewn hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)
11. **Knitted/Crocheted Yarn/Thread Fashion Accessory** (knitted/crocheted hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)

Level 3 (Ages 13-14)
Project must have at least 2 of the skills required for the ADC level 3 project work.

12. **Blouse/Shirt with sleeves and closure** (set-in, flat inset, cap, raglan, or kimono, any other similar item not stated)
13. **Bottom with zipper and/or pocket** (shorts, capris, pants, skirts, any other similar item not stated)
14. **Two piece garment** (coordinating top and bottom, jacket/vest with bottom/dress, PJ's, uniform, any other similar item not stated)
15. **Sewn Fashion Accessory** with closure/fastener and seams.
16. **Knitted/Crocheted Yarn/Thread Fashion Garment or Accessory** (knitted, crocheted, tatted, any other similar item not stated)
17. **Redesigned Original Apparel** with before and after pictures & a written description of the design & construction process the member chose & why. See instruction sheet for details.

Level 4 (Ages 15 and up)
Project must have at least 2 of the skills required for the ADC level 4 project work.

18. **One piece lined or unlined, garment** (pants, skirt, coat, jacket, dress, jumpsuit, uniform, formalwear, any other similar item not stated)
19. **Unlined two piece ensemble/coordinate**
20. **Fashion Accessory or Garment designed for Special Needs.** *"Special Needs" being the individual requirements of a person with a mental, emotional, physical disability or disease.* Include a description of whom it was made for, why the need, any special adaptations per the individuals request and any other pertinent information supporting the finished product.
21. **Costume human or non-human** - dance, pageant, holiday, theatrical, reenactment/period/ living history garments or any other similar item not stated). Must be a complete costume (or a total look) which required hand and/or machine stitching. No costume accessories without the base garment(s). Shoes not required. State character and costume use on an attached 3x5 card.
22. **Costume non-human**—(dance, pageant, holiday, theatrical, reenactment/period/living history garments or any other similar item not stated. Must be a complete costume (or a total look) which required hand and/or machine stitching.

INTERIOR DESIGN & CONSTRUCTION - (IDC)
IDC project must be made largely from a textile product unless otherwise stated. A textile is a flexible material made of fiber/thread/yarn. Textiles are formed with various methods including weaving, knitting, crocheting, knotting or felting. Other words for textiles are cloth & fabric.

Level 1 (Ages 8*-10)
Project must have at least 2 of the skills required for the IDC level 1 project work.

23. **Home Accent Bath, Bedroom, Kitchen, Storage, Living Room, or Outdoors:** caddy; rug; or cover (example of "cover" tissue, toilet, TP) decorative towel; simple curtain; trash can, any other similar item not stated) pillow case, pillow, simple blanket/quilt, trash can, padded hanger, bulletin board, rug, any other similar item not stated, bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, locker storage, scrapbook cover, any other similar item not stated.
24. **Bags**: laundry, jewelry, cosmetic, book/electronic cover, any other similar item not stated
25. **Seasonal Décor from fabric**: table runner, placemat with napkin, wall hanging, centerpiece, decoration, any other similar item not stated constructed by hand or machine stitching **(Do not include any item which would fit under HTDC)**
26. **Seasonal Décor non fabric:** wall hanging, centerpiece, decoration, any other similar item not stated.

Level 2 (Ages 11-12)

Project must have at least 2 of the skills required for the IDC level 2 project work.

27. **Home Accent Bath, Bedroom, Kitchen, Storage, Living Room, or Outdoors:** food caddy/warmer, appliance cover, message center/board, simple curtain, table cloth, simple table runner, hand/dish towel, potholders, hot pad, apron, lunch bag, placemats and napkins, two pillowcases, two coordinating pillows, two decorated towels, or any combination of two pieces, blanket/quilt with binding, lamp shade, lap desk, rug, painted floor cloth, bucket caddy, hanging storage unit, under bed storage, basket liners, storage box, scrapbook cover any other similar item not stated.
28. **Bags**: laundry, jewelry, cosmetic, book/electronic/computer cover, garment bag, any other similar item not stated.
29. **Seasonal Décor from fabric**: table runner, placemats with napkins, wall hanging, centerpiece, decoration, any other similar item not stated constructed by hand or machine stitching. **(Do not include any item which would fit under HTDC)**
30. **Seasonal Décor non fabric:** wall hanging, centerpiece, decoration, any other similar item not stated.

Level 3 (Ages 13-14)

Project must have at least 2 of the skills required for the IDC level 3 project work.

31. **Home Accent Bath, Bedroom, Kitchen, Storage, Living Room, or Outdoors:** slipcovers, lined curtains/drapes/shades, pillows, lap throw, remote caddy, ottoman, lamp shade, fireplace mantel scarf, doily, any combination of two coordinating items—bedspread, dust ruffle, pillow sham (s), lined curtains/shade/drapes, dresser scarf, garment bag, bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, locker storage, scrapbook cover, any other similar item not stated.
32. **Recycled/Upcycled Furniture** – painted, stained, refinished, decoupage, tiled or upholstered furniture, any other similar item not stated.
33. **Special "Needs" Accessory** – *"Special Needs" being the individual requirements of a person with a mental, emotional, physical disability or disease.* A functional item with a description of who it was made for, why the need, any special adaptations per the individuals request and any other pertinent information supporting the finished product.
34. **Seasonal Décor from fabric**: table runner, placemats with napkins, wall hanging, centerpiece, decoration, any other similar item not stated constructed by hand or machine stitching. **(Do not include any item which would fit under HTDC)**
35. **Seasonal Décor non fabric:** wall hanging, centerpiece, decoration, any other similar item not stated.

Level 4 (Ages 15 and up)

Project must have at least 2 of the skills required for the IDC level 4 categories.

36. **Home Accent Bath, Bedroom, Kitchen, Storage, Living Room, or Outdoors:** slipcovers, lined curtains/drapes/shades, pillows, lap throw, remote caddy, ottoman, lamps shade, fireplace mantel scarf, doily, any combination of two coordinating items-bedspread, dust ruffle, pillow sham(s), lined curtains/shade/drapes, dresser scarf, garment bag, picnic accessories, curtains for outdoors, cushions for outdoors, shades, placemats and napkins, utensil/condiments caddy, insulated carrier, bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, locker storage, scrapbook cover, any other similar item not stated.
37. **Recycled/Upcycled Furniture** – painted, stained, refinished, decoupage, tiled and/or upholstered furniture.

38. Special "Needs" Accessory—*"Special Needs"* being the individual requirements of a person with a mental, emotional, physical disability or disease. A functional item with a description of who it was made for, why the need, any special adaptations per the individuals request and any other pertinent information supporting the finished product.
39. **Seasonal Décor from fabric**: table runner, placemats with napkins, wall hanging, centerpiece, decoration, any other similar item not stated constructed by hand or machine stitching. (Do not include any item which would fit under HTDC)
40. **Seasonal Décor non fabric**: wall hanging, centerpiece, decoration, any other similar item not stated.

HOBBIES/TEXTILE DESIGN AND CONSTRUCTION - (HTDC)

HTDC projects are made from a textile product created by the exhibitor, unless otherwise stated. A textile is a flexible material made of fiber/thread/yarn. Textiles are formed with various methods including weaving, knitting, crocheting, knotting or felting. Other words for textiles are cloth & fabric.

Level 1 (Ages 8*-10)

41. **Simple Sewn Stuffed animal, doll or puppet**
42. **Decorative Textile Technique**: T-shirt, apron, accessory, wall-hanging or pillow decorated with paint and/or dye. The foundation piece can be ready-made. Focus is on creativity and use/mastery of the decorative textile technique.
43. **Needle Art by Hand**: **Simple** stamped cross-stitch or embroidery, counted cross-stitch, needlepoint or crewel embroidery applied to towel, pillowcase or small decorative item.
44. **Hand or Machine Pieced or Appliquéd Block** – no larger than 16" X 16". Edges should be finished or the piece can be framed. No quilting on the finished piece.
45. **Repurposed Textile Creation**: Item made from **repurposed or non-traditional textile** material which can be worn/carried or used in the home.

Level 2 (Ages 11-12

46. **Stuffed animal, doll or puppet** with hand and machine stitching.
47. **Decorative Textile Technique**: Clothing, accessory, wall-hanging, or pillow decorated with paint, dye and/or printing. The foundation piece can be ready-made. Focus is on the mastery of a decorative textile technique. Judged on the creativity and use of the decorative textile technique.
48. **Needle Art by Hand or Machine**: Hand embroidery, cross-stitch, counted cross-stitch, needlepoint or crewel embroidery, needle punch or smocking applied to garment, home accessory or as a finished picture.
49. **Hand or Machine Pieced or Appliquéd Item** – no larger than 16" X 16". Focus on the creation of fabric/textile. No quilting on the finished piece. Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.
50. **Repurposed Textile Creation**: Item made from **repurposed or non-traditional textile** material which can be worn/carried or used in the home.

Level 3 (Ages 13-14)

51. **Stuffed animal, doll or puppet** with a minimum of two hand and/or machine sewing techniques (i.e. facial features, hair, movable parts, fake fur, clothing, any other similar item not stated)
52. **Decorative Textile Technique**: Fashion or home accessory, clothing or wall décor using two or more decorative textile techniques such as weaving, Trapunto, surface textiles, quilting, applique, beading, lacing, dyeing, printing, thread painting, etc. Judged on the creativity and mastery of the decorative textile technique.
53. **Needle Art by Hand or Machine**: floss, yarn (crewel) or ribbon, counted cross-stitch, needlepoint, needle punch, smocking, Trapunto quilting applied to garment/accessory, home accessory, picture, wall hanging or blanket/quilt.
54. **Hand or Machine Pieced and/or Appliquéd Item finished with Hand or Machine quilting.** Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.
55. **Repurposed Textile Creation**: Item made from **repurposed or any non-traditional textile** product which can be worn, used in the home, school, office, any other similar item not stated.

Level 4 (Ages 15 and up)

56. **Stuffed animal, doll or puppet** with multiple (more than 2) hand and machine sewing techniques (i.e. facial features, hair, movable parts, fake fur, clothing or any other similar item not stated).
57. **Decorative Textile Technique**: Fashion or home accessory, clothing or wall décor using two or more decorative textile techniques such as weaving, Trapunto, surface textiles, quilting, applique, beading, lacing, dyeing, printing, thread painting, etc. Judged on the creativity and mastery of the decorative textile technique.
58. **Needle Art by Hand or Machine**: Hand embroidery: floss, yarn (crewel) or ribbon, counted cross-stitch, needlepoint needle punch or unspecified hand technique applied to garment/accessory, home accessory, picture, wall hanging or blanket/quilt.
59. **Hand or Machine Pieced and/or Appliquéd Item with Hand or Machine quilting.** Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc
60. **Repurposed Textile Creation**: Item made from **repurposed or non-traditional** textile which can be worn, used in the home, school, office, car or any other similar item not stated.

SECTION 307—4-H BABYSITTING/CHILD CARE

1st—$8.00 2nd—$6.00 3rd—$4.00

Refer to member and leader guides for ideas. Individual 4-H member can enter one exhibit per class in appropriate age groups. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. Please reference the State 4-H Website http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/4HBabysittingChildCareProjectUnitOne.pdf for literature listed below.

Unit One (Ages 8-13)

1. **Baby Book**—Any practical size, minimum of 5 pages covering at least 9-10 months of development. Includes photographs, drawings, mementos, and comments on development milestones. Must be clear that 4-H'er has contributed child development information to book. Baby books prepared earlier by parents may not be entered unless 4-H'er reworks the information. Handwriting should be the youth preparing the exhibit not an adult. See Unit One, Page 13. Do not confuse with Class 5, Children's Book.

2. **Puzzles Help Children Learn**, Any Size—Two (2) puzzles developmentally appropriate for children at two distinct age and ability levels. Each puzzle must have its own storage container. Puzzles must be sturdy and covered so can be cleaned with damp cloth. Describe the child for whom each puzzle would be appropriate by giving child's age, interest, ability. Puzzles should be suitable for either boys or girls only. See Unit One, Page 13. Commercially made puzzles are not eligible.
3. **Child Care Poster** - Must be 14" x 22" and must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Text of poster should be visible for at least 10 ft. away. Choose one of these topics to develop poster: Behavior and Guidance--Include pictures and fact about child development. (See Unit One, pages 14-15 and No. 706); Safety Risks and Procedures–include common safety risks that a babysitter needs to be aware of and procedures to address the safety issue (See No. 575, pages 4-7 Unit 1, pages 16-17; Unit 2, pages 28-29; 4-H Army Child & Youth Services Babysitting Student Guide, pages 25-44); Ages and Stages of Development (No 575, page 10, 4-H Army Child & Youth Services Babysitting Student Guide, pages 49-50)
4. **Basic First Aid Kit**—Create a basic first aid kit from scratch (not a purchased kit) that includes the basic supplies to take care of small accidents such as bumps, scrapes, stings, and sprains. Include an emergency contact list in the first aid kit that includes but is not limited to: Emergency numbers for police, fire department, poison control, veterinarian, etc. Include a supply list and the cost to put the kit together. The kit should be in a container with a lid or zipper closure. Make sure there is a label on the kit that identifies it as a "First Aid Kit." See 4-H Army Child & Youth Services Babysitting Student Guide, pages 37-41)

Unit Two (Ages 14-19)
5. **Children's Book**—Written, illustrated and constructed by 4-H'er. May be written for a specific child with text relating to that child or for children of certain age range. Indicate appropriate age range. Construction paper, computer printout, cloth or poster board may be used. Illustrations may be drawn, photographs, appliqués, magazine pictures or reassembled from other books. See No. 707, Books for Children. Do not confuse with Class 1, Baby Book.
6. **Surprise Suitcase**—Fill suitcase with homemade or store bought items for children you baby sit. Could include books, puzzles, games, play dough, balls, costumes. Indicate appropriate age child to use each item. Include records of how children have responded to materials. Package in suitcase that can be taken to the home. See No. 722, Child Care Kit. May include commercial puzzles. **Contents need to be in a suitcase or a container with a lid.**
7. **Create a Game** - Create a board game or card game to teach a specific topic to a child. Examples might include but are not limited to: Hygiene practices, exercise and fitness, safety, etc. Game boards must be 14" x 22" and must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Make sure to laminate game boards, cards or any pieces made of paper so that they are durable. Include written instructions of the rules of the game. Note in the instructions the age appropriateness of the game.

SECTION 308—4-H FOOD SCIENCE EXHIBITS

Individual 4-H members can enter one exhibit per class, but are restricted to those exhibits designed for his/her age group. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. Educational exhibits must fit 3' x 3' (width & depth) space, with sides extended. Exhibits must be free standing with sides attached.

Poster must be constructed on poster board any size up to 14" x 22". **Posters and displays must be permanently signed and dated on the back prior to lamination.** Text of posters and displays should be readable from at least 10 feet away.

Criteria for evaluating educational displays and posters include:

Originality of Idea - 20 Points
Educational Value - 50 Points
Display Value - 30 Points

All food products must be on a paper plate and in a sealed plastic bag.. The superintendent will only exhibit a slice of cake or bread and one cookie, muffin, or roll of all exhibits and will dispose of all excess food.

4-H'ers may use recipes indicated in the food service manuals or any other recipe that fits the exhibit requirements. Cakes must be made from scratch using shortening mixing method (no angel food or chiffon-type). Bread machines may be used for the bread exhibits but bread must be made from scratch—no mixes.

Dried foods should be exhibited in a sealed, plastic sandwich bag. Canned foods should be placed in colorless, standard canning jars such as those made by Kerr, Ball, etc. and properly sealed with two piece lids (no paraffin on jams and jellies). Other types of jars will be rejected. Judges will remove screw bands at time of judging. Labels should be neat and plainly written. Jars of jams and jellies being considered for ribbons will be evaluated for taste in addition to traditional attributes.

FOOD PREPARATION EXHIBITS

LEVEL TWO—AGES 8*-11

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

Class:

1. Three (3) Muffins
2. Three (3) Rolled Biscuits
3. Three (3) Baked Drop Cookies (no shaped cookies such as snickerdoodle or peanut butter)

LEVEL THREE—AGES 12-14

1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

4. One-half Loaf of any Yeast Bread (not a sweet dough); made by hand or in bread machine
5. Three (3) Yeast Cinnamon Rolls (no icing)
6. Three (3) Rolled Sugar-Type Cookies (no gingerbread recipes)

LEVEL FOUR—AGES 15 & OVER
1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

7. One-half Loaf or portion of Breads from another culture. Include a one page story on how this bread fits into that culture and its nutritional contribution.
8. One-half of one 8"or 9" Layer Un-Iced Shortening Type Cake (no angel food or chiffon)

FOOD PRESERVATION EXHIBITS
(Jar rings should be left on display.)

LEVEL TWO—AGES 8*-11
1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

9. One Pint or Half Pint Jar of Jam or Jelly processed in boiling water canner
10. Two Pieces of Fruit Leather
11. One Pint or Half Pint of Salsa/Picante Sauce

LEVEL THREE—AGES 12-14
1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

12. One Pint Jar Cucumber Pickles or Vegetable Relish
13. One Pint or Quart of any Single Canned Fruit (not pickled)
14. Dried Fruit (1/2 cup of a singe dried fruit) Display in a sealed plastic sandwich/freezer bag.

LEVEL FOUR—AGES 15 & OVER
1st—$8.00 2nd—$6.00 3rd—$4.00 4th—$3.00 5th—$1.00

15. One Pint or Quart Jar Pressure Canned Vegetables (no tomatoes or pickles)
16 One Quart or One Pint Jar of Plain Canned Tomatoes

4-H FOOD SCIENCE & NUTRITION POSTER & EDUCATION DISPLAYS

Posters and Educational Displays must be permanently signed and dated on the back prior to lamination. Text of posters and displays should be readable from at least 10 ft. away. Poster size is 14" x 22". Educational display size is 3' x 3' (depth & width) and self-standing.

DIVERSITY EXHIBITS
1st—$8.00 2nd—$6.00 3rd—$4.00

LEVEL TWO—AGES 8*-11
17. Educational poster based on breads or cheeses of another country or countries.

LEVEL THREE & FOUR—AGES 12 & OVER
18. Educational poster based on the foods from another culture. Can be based on a cultural celebration.

NUTRITION EXHIBIT

1st—$8.00 2nd—$6.00 3rd—$4.00

LEVEL TWO—AGES 8*-11

19. Educational poster based on recipe modification for healthful eating.

LEVEL THREE—AGES 12-14

20. Educational poster based on the nutritional contributions of fruit and vegetables.

LEVEL FOUR—AGES 15 & OVER

21. Educational display (3' x 3' x 3') based on a recipe modification to include:
    -original recipe and what modifications were made
    -benefits of the modifications
    -how did the modifications impact the above factors
    -what were other people's responses to the modifications

FOOD OR KITCHEN SAFETY EXHIBITS

1st—$8.00 2nd—$6.00 3rd—$4.00

LEVEL TWO—AGES 8*-11

22. Educational poster based on food or kitchen safety.

LEVEL THREE—AGES 12-14

23. Educational poster based on protein food safety.

LEVEL FOUR—AGES 15 & OVER

24. Educational poster based on outdoor cookery or grilling.

OTHER EXHIBITS

1st—$8.00 2nd—$6.00 3rd—$4.00

LEVEL TWO—AGES 8*-11

25. Education poster illustrating a place setting for a specific occasion or menu.

LEVEL THREE—AGES 12-14

26. Educational display based on a breakfast bread buffet theme. Should include menu, buffet layout, decorations, invitations, and any additional information.

LEVEL FOUR—AGES 15 & OVER

27. Educational poster based on careers in the food industry.

SECTION 309—4-H PERSONAL DEVELOPMENT

1st—$8.00 2nd—$6.00 3rd—$4.00

All new categories for Personal Development and Leadership were implemented in 2017. All curriculum for Personal Development are posted on the Oklahoma 4-H Literature Online website at: http://4h.okstate.edu/literature-links/lit-online/leadership-personal development/personal-development/personal-development-resources

Picture Perfect YOUth curriculum and Leader Guide—This new curriculum provides specific lessons in each level of the curriculum (beginner, intermediate and advanced) with fair project instructions. On the table of contents of each project manual, lessons with fair projects are noted with a blue ribbon icon. The score sheet for evaluating fair projects are included in all manuals and leader guide.

Heritage Scrapbook Classes—The Heritage Scrapbook project also has a new curriculum. It is posted on the link provided above. This manual provides specific activities for each age division (beginner, intermediate, advanced). Specific activities are required for each age division and other activities are optional. The Heritage Scrapbook should grow each year! All instructions for completing the Heritage Scrapbook are provided in each activity in the Heritage Scrapbook manual. The score sheet for evaluating the Heritage Scrapbook is included in the manual and Picture Perfect YOUth Leader Guide. Please note that instructions for activities in the Heritage Scrapbook are in BOLD in each lesson. Make sure you refer to the score sheets to double check that all required information is included in the scrapbook for each activity.

Scrapbooking Classes—The 4-H Scrapbook project has a specific curriculum which teaches youth the basics of scrapbooking. The manual is posted on the website link above. Youth are encouraged to go through these six lessons before beginning a scrapbooking project. The score sheet for evaluating the Scrapbooking classes is provided in the 4-H Scrapbooking manual. Posters and educational displays should follow the guidelines of the general rules listed for 4-H. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Beginner Level (ages 8*-11)

1. My Short Term Goals Poster—Picture Perfect YOUth Beginner Manual: Let's Take A Goal Setting Ride, page 7
2. Hello to the House Poster—Picture Perfect YOUth Beginner Manual: Who am I? Who are YOU?, page 32
3. That's Write! Poster—Picture Perfect YOUth Manual: Manners Matter: That's Write!, page 41. The Thank You note subject for 2018 entry is as follows: Your grandmother who lives out of state sent you a $100 gift card to your favorite online store. Include in your thank you note how you plan to spend the money.
4. My Hands of Service Display—Picture Perfect YOUth Beginner Manual: Helping Hands in Action, Page 62
5. Emergency Preparedness Kit—Picture Perfect YOUth Beginner Manual: Safe in My World, Page 87
6. Heritage Scrapbook—*Required activities:* My Family Tree, Picture This, My Heredity Profile, This is Me. *Optional activities:* Preserving my Family Traditions and Customs, Digital Scavenger Hunt, Can I Interview You?
7. Scrapbook—4-6 pages (pages counted just like pages of a book, not plastic sleeves.) Scrapbooks should center around a specific theme such as 4-H projects, family vacations, birthday celebrations, a specific family holiday, etc.

Intermediate Level (ages 12-14)

8. Problem Solving Poster—Picture Perfect YOUth Intermediate Manual: Solutions for Problem -Solving, page 16
9. Media Messages: Myth or Fact? Display—Picture Pefect YOUth Intermediate Manual: The People in Our Lives, page 46
10. Leadership Banner Poster—Picture Perfect YOUth Intermediate Manual: Modeling Leadership, page 58
11. My Thumbprint of Character Poster—Picture Perfect YOUth Intermediate Manual: I.D. Good Character, page 79
12. Cyber Space Safety Board Game—Picture Perfect YOUth Intermediate Manual: Cyber Space: Keep It Safe, page 89
13. Heritage Scrapbook—*Required activities:* My Family Tree, Picture This, My Heredity Profile, This is Me, My Day in History, Letter Writing: A Lost Art, Favorite Family Recipe, Hello, My Name is… *Optional activities:* Cultural Museums of Oklahoma, Digital Scavenger Hunt, Can I Interview You?
14. Scrapbook—8-10 pages (pages counted just like pages of a book, not plastic sleeves.) Scrapbooks should center around a specific theme such as 4-H projects, family vacations, birthday celebrations, a specific family holiday, etc.

Advanced Level (ages 15-19)

15. Goal Setting Collage Poster—Picture Perfect YOUth Advanced Manual: Be SMART About Goals, page 15
16. The Who, What, Why and How of an Interview Creative Writing Poster—Picture Perfect YOUth Advanced Manual: Communicating Well with Others, page 34
17. Teambuilding Game Display—Picture Perfect YOUth Advanced Manual: Teamwork: Towering to Success, page 53
18. My BEST Marketable Skills Display—Picture Perfect YOUth Advanced Manual: Making Your Mark!, page 73
19. Vehicle Emergency Kit—Picture Perfect YOUth Advanced Manual: Destination: Safe, page 81
20. Heritage Scrapbook—*Required activities:* My Family Tree, Picture This, My Heredity Profile, This is Me, My Day in History, Letter Writing: A Lost Art, Favorite Family Recipe, Hello, My Name is…, My Family Genogram, My Life Timeline, Cultural History Exploration, Family Holidays, *Optional activities:* My Family Poem, Digital Scavenger Hunt, Can I Interview You?
21. Scrapbook—12-16 pages (pages counted just like pages of a book, not plastic sleeves.) Scrapbooks should center around a specific theme such as 4-H projects, family vacations, birthday celebrations, a specific family holiday, etc.

SECTION 310—4-H POSTMARK
1st—$8.00 2nd—$6.00 3rd—$4.00

This exhibit consists of postmarks, not stamps. Exhibits may be illustrated. All postmark must be mounted on either 8 1/2" x 11" note paper or photo album page not to exceed 10" x 17" of any color in a binder. All entries are limited to thirty (30) pages for the collection, plus an additional page for the objective of the collection. Plastic cover pages are acceptable to protect the mounts. Any class may be illustrated. The criteria for judging will be: (1) Appearance and neatness: (2) readability; (3) material relates to chosen topic; (4) brief written description telling purpose or objective of your collection.
NOTE: Metered postage marks must not be used in non-metered class exhibits and non-metered postmarks in metered classes.

INTERNATIONAL POSTMARK FAIR: All entries in Section 310 will be taken from the State Fair to the Postmark Fair, if the entry/authorization form is included in the front of the book. Books will be returned to local Extension Offices following the International Postmark Fair for return to exhibitor. Funds are not available to return books by mail. Neither the 4-H Program, the State Fair nor the International Postmark Fair can assume responsibilities for entries, although all due care will be taken during the transfer, judging and return of books. All judging criteria and guidelines listed above will be used for the International Fair. Contact County Extension Office for further clarification on this fair.

Collections from a commercial source are not eligible for exhibit (i.e. through a postal society membership). At least one-third of the postmarks in any collection must have been added during the current project year. All entries must be clearly marked on the front cover or inside the front cover with the member's name and county. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

4-H'ers may enter one exhibit per class in their age group.

Beginning Level (Ages 8*-11)

1. Postmark for 10 post offices in home county or surrounding area
2. 30 Oklahoma Postmarks
3. 20 Topical (any category)
4. 25 Metered Postage Marks

Intermediate Level (Ages 12-14)

5. 30 Hand Canceled
6. 10-30 Postmarks that tell a story
7. 30 or more different Slogans
8. 30 Topical (any category)
9. 30 Metered Postage Marks

Advanced Level (15 & over)

10. 100 Hand Canceled
11. 30-75 Postmarks that tell a story
12. 50 or more different Slogans
13. 50 or more Topical (any category)
14. 50 Metered Postage Marks

SCIENCES AND TECHNOLOGY DIVISION

SECTION 311—4-H ELECTRIC EXHIBIT
1st—$8.00 2nd—$6.00 3rd—$4.00

All exhibits must illustrate applications and utilize electrical energy. The exhibit must have been constructed by the exhibitor during the year exhibited and must meet electrical safety standards.

All exhibits, except lamps, will be judged on electrical wiring and connections, electrical components, usefulness of exhibit, working condition, complexity and design, appearance, originality, workmanship and safety. Lamps will be judged as described for each class. A 4-H member can have only (1) exhibit in each class. **Exhibits should be permanently signed and dated on the bottom or in another inconspicuous location.** All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

CLASS:

1. **Electric Projects—(ages 8*-11)** Entries to include electromagnets, motors, buzzers and direct current circuit boards.
2. **Kit Lamps (Kit Construction) - (all ages)** Electrical wiring and connections, light source, and suitability as a reading lamp will be judged. Lamps can be floor, desk, or wall models.
3. **Original Lamps—(all ages)** Originality, workmanship, electrical wiring and connections, light source and suitability as a reading lamp will be judged. Lamps can be floor, desk, or wall models. (No kits)
4. **Rewired Lamp—(all ages)** Workmanship, craftsmanship and electrical wiring and connections will be judged. The lamp will not be judged as a reading lamp.
5. **Electric & Electronic Circuits**—Ages 8*-11—The exhibit should be mounted on a board and clearly show all circuits. The exhibit should be operational and demonstrate a useful principle or be functional. The exhibit should include an explanation of the principal being demonstrated.
6. **Electric & Electronic Circuits—(ages 12 & over)** The exhibit should be mounted on a board and clearly show all circuits. The exhibit should be operational and demonstrate a useful principle or be functional. The exhibit should include an explanation of the principal being demonstrated.

7. **Exhibit—(ages 12 & over)** Exhibit demonstrating skill or knowledge such as wire sizing; proper wiring of an electrical cord plug, wall outlet, wall switch, 3-way switch, etc. The exhibit should include an explanation of the principal being demonstrated.
8. **Exhibit—(ages 12 & over)** Exhibit of a wiring diagram for a home, other building, or electric supply system for a community.
9. **Electronic Concepts Poster—(ages 8*-11) -** Poster (14" x 22"). Exhibit showing a basic electric concept or explaining the proper use of electricity in modern life.
10. **Electronics/Lighting Selection Poster—(ages 12 and older)** - Poster (14" x 22"). Exhibit is on information that consumers might use in making a selection of any electronic devices such as computers, games, telephones, lighting fixtures, bulbs or other electronic device.

SECTION 312—4-H MODEL ROCKETRY EXHIBIT

1st—$8.00 2nd—$6.00 3rd—$4.00

Posters must be 14" x 22". Exhibitors are encouraged to heat laminate all posters or cover them with clear plastic film. Display boards should be limited to a maximum of 2' x 3' and must have a single l/4" hole drilled at the top center of board to allow for display. NO LIVE ROCKET ENGINES WILL BE ALLOWED IN ANY EXHIBIT. Text of posters and displays should be readable from at least 10 ft. away. ***Homemade rockets could be dangerous to fly.**
Model rockets, posters and displays should be signed and dated in an inconspicuous location.
Attach a 3" x 5" index card attached to the rocket, explaining:

-construction material, how constructed, and goal of project
-year in project
-age of member
-whether or not made from kit
-other pertinent information

A member can enter only one exhibit in each class. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Junior Division—Ages 8*-13

CLASS:

1. Poster showing the parts of a model rocket, with an explanation of the purpose of each part.
2. Poster explaining the function of the model rocket engine.
3. Poster showing one or more points from model rocketry safety code.
4. Model Rocket made from a kit. Must be safe and functional for flight.
5. Model Rocket designed and built by exhibitor. Must be safe and functional for flight.
6. Poster on any other topic pertaining to model rocketry project

Senior Division—Ages 14 & older

7. Poster or display showing the parts of a model rocket, with an explanation of the purpose of each part.
8. Poster or display explaining the function of the model rocket engine.
9. Poster or display showing one or more points from model rocketry safety code.
10. Model Rocket made from a kit. Must be safe and functional for flight.
11. Model Rocket designed and built by exhibitor. Must be safe and functional for flight.

SECTION 313—4-H WOOD SCIENCE/INDUSTRIAL ARTS

1st—$8.00 2nd—$6.00 3rd—$4.00

The Wood Science Exhibit should demonstrate a project experience, which emphasizes the development of woodworking skills, such as: sawing, sanding, planning, alignment of joints, neat use of fasteners (nails, screws, etc.), and careful application of finishes. Judging will focus on the evidence of these skills.

These exhibits will consist of articles made by 4-H Club members the past year. The project is not limited to current Program Ideas sheets. It must be proportional and functional and include the same techniques as the listed classes. Junior is 8*-13 years for age: Senior is 14 years and older. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Miscellaneous and refinished class items should be similar in size to the exhibits in the classes listed for the age division. 4-H member can enter one (1) exhibit per class, but is restricted to exhibits designed for his or her age group. **Wood science exhibits should be permanently signed and dated in an inconspicuous location.**

WOOD SCHIENCE

1. Jr. Wood Carving Article
2. Sr. Wood Carving Article
3. Jr. Woodcraft—Original design
4. Sr. Woodcraft—Original design

Beginning Level—Ages 8*-11

5. Wall mounted rack for hot pads, ties, paper towels or other wall mounted item
6. Puzzle or Game
7. Spice, What-Not or Other Small Shelves
8. Book Ends
9. Miscellaneous

Intermediate Level—Ages 12-14

10. Book Case or Entertainment Center (without doors)
11. Gun, Baseball Bat, Fishing Rod or Similar Rack
12. Refinished Item (Attach "before" picture & story with history of item and description of process used.)
13. Miscellaneous

Advanced Level—15 & Older

14. Gun, Curio or Display Cabinet (with doors)
15. Table
16. Chest
17. Miscellaneous
18. Refinished Item (Attach "before" picture & story with history of item and description of process used.)

METAL WORK

19. Jr. Metalwork—Embossed, tooled, etched
20. Sr. Metalwork—Embossed, tooled, etched
21. Jr. Metalwork—Soldered
22. Sr. Metalwork—Soldered
23. Jr. Metalwork—Arc Welding
24. Sr. Metalwork– Arc Welding
25. Jr. Metalwork—Gas Shielded Arc Welding
26. Sr. Metalwork—Gas Shielded Arc Welding
27. Jr. Metalwork—Free Hand Plasma Cutting
28. Sr. Metalwork—Free Hand Plasma Cutting
29. Jr Metalwork— Computer Aided Plasma Cutting
30. Sr. Metalwork—Computer Aided Plasma Cutting

SECTION 314– 4-H SHOOTING SPORTS

1st—$8.00 2nd—$6.00 3rd—$4.00

- No live ammunition, actual firearms or parts of firearm that could be reassembled should be included. Any manufactured part of a sporting arm may not be displayed. NO KNIVES, AXES, etc. may be entered. For exhibits other than posters, attach a 3x5 inch note card to the back of the exhibit describing the exhibit, what was done to create or prepare this exhibit and how the exhibit relates to the Shooting Sports Project. The 4-H member's name & age, must be included (attached to) with the exhibit. Exhibits deemed to be inappropriate will not be displayed. Exhibits suggested but not limited to posters, educational displays, journals, slings, quivers, gun stock, decoys and equipment.
- All exhibits will be judged on the basis of instructions and standards explained in the Oklahoma "501: 4-H Shooting Sports Exhibit Preparation Guidelines Leaders/Members Guide" #690 (1/2007) which is available through the County Extension Office & on the Oklahoma State 4-H Website in "Literature on-line" http://4h.okstate.edu/literature-links/lit-online/others/shooting.
- Posters must be 14" x 22". For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Posters must be permanently signed and dated on the back. If not marked the judging committee may mark or punch. Posters may be horizontal or vertical. Text of posters should be readable from at least 10 ft. away.
- Educational display must be three dimensional should be mounted on a freestanding display board not to exceed 36" x 36" (width x depth) when the sides are extended for display. Commercially available "Science Fair Presentation Boards" are recommended.
- If you use text, pictures, drawings, artwork or other information not created by you in your exhibit you must cite the source. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

Junior Division (Ages 8*-13) An explanation must be attached to and/or included in each exhibit listed below describing the subject and what is being illustrated.

1. Shooting Sports Safety: any related item made
2. Archery: any related item made
3. Air Pistol: any related item made
4. Air Rifle: any related item made
5. .22 Rifle: any related item made
6. Shotgun: any relate item made
7. Hunting and Wildlife: any related item made (May include tanned hides, dried and mounted wings, cleaned skulls or other wildlife parts preserved by the 4-H member. Full taxidermy style mounts will not be accepted due to limited space)
8. Living History: any related item made

Senior Division (Ages 14 & over) An explanation must be attached to and/or included in each exhibit listed below describing the subject and what is being illustrated.

9. Shooting Sports Safety: any related item made
10. Archery: any related item made
11. Air Pistol: any related item made
12. Air Rifle: any related item made
13. .22 Pistol: any related item made
14. .22 Rifle: any related item made
15. Shotgun: any related item made
16. Muzzleloading: any related item made
17. Hunting and Wildlife: any item related made (May include tanned hides, dried and mounted wings, cleaned skulls or other wildlife parts preserved by the 4-H member. Full taxidermy style mounts will not be accepted due to limited space)
18. Living History: any related item made

SECTION 315—ENTOMOLOGY– 4-H INSECT EXHIBITS

1st—$8.00 2nd—$6.00 3rd—$4.00

The exhibits in entomology are planned to be progressively more difficult. The specific age of exhibitor does not appear in the entomology section for this reason. Refer to 4-H Entomology Member Guides 1-6 for more detail regarding fair exhibits. Note: Fair Book exhibit list overrides member guides.

A 4-H member may enter only one insect exhibit in entomology (first year through fifth year). Exhibits in the first through the fifth year are allowed a maximum of five (5) foreign and/or out-of-state collected insects (no restrictions on self-determined exhibits). All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. All insects must be mounted on standard insect pins which can be purchased from the State 4-H Office. Each insect should be identified by their common name using the correct spelling. A typed master list indicating the scientific order and common name of each specimen should accompany the display. The master list document is located at http://4h.okstate.edu/events-and-activities/oklahoma-state-fairs In addition, a pinned mothball should be included to preserve the specimens. Exhibits collections for classes 1 through 5 are allowed a maximum of five (5) foreign and/or out-of-state collected insects. Exhibits in Classes 2-5 must be in insect display boxes measuring 19" x 16.5" x 3". This is the size of a Cornell University Drawer. These boxes can be purchased at http://www.bioquip.com/search/DispProduct.asp?pid=1012AM or made using the pattern available at http://4h.okstate.edu/events-and-activities/oklahoma-state-fairs. **Boxes that are not this size will be DISQUALIFIED.** At least one third of the specimens in any collection must have been collected during the current project year. Information regarding Insect Collection can be found at http://entoweb.okstate.edu/4H-FFA/

Exhibits in Classes 2-5 must be in standard insect display boxes. Specifications for the insect box are available online at http://4h.okstate.edu/events-and-activities/oklahoma-state.fairs. At least one -third of the specimens in any collection must have been collected during the current project year.

1. **1st Year**—The exhibit shall consist of 25 adult insects (representing at least 5 orders) which are displayed in a Folding Insect Storage Box 9" x 13" x 2.5". This box can be purchased in bulk at http://www.bioquip.com/search/DispProduct.asp?pid=1002F or individually from the State 4-H office. Cover with plastic wrap or rigid plastic. Nine and ten year old exhibitors entering class one may be allowed to enter class one a second year. If the exhibit did not place in the top five at the state fair the previous year, as long as modifications are made to the exhibit.
2. **2nd Year**—The second year exhibit shall consist of 40 adult insets (representing 8 to 10 orders) which are displayed in the insect display box as indicated above.
3. **3rd Year**—The third year exhibit shall consist of 50 adult insects (representing 10 to 12 orders) which are displayed in the insect display box as indicated above..
4. **4th Year**—The fourth year exhibit shall consist of 75 adult insects (representing 12 to 14 orders) which are displayed in the insect display box as indicated above.
5. **5th Year & Beyond**—The exhibit shall consist of 100 adult insects (representing 14 to 18 orders) which are displayed in the insect display box as indicated above. There is no limit on the number of years this class may be entered, if exhibit has additions or major modifications.
6. **Self-Determined Entomology Exhibit/Collections**—Designed to allow exhibitors to prepare displays indicating expanded interest beyond the requirements of collections exhibited in previous years. Exhibits should be of an educational nature, attractive in design, and easy to understand. A written report explaining the nature or purpose of the project **must** accompany the exhibit. Participants in this class are also allowed to have an entry in one of the 1st through 5th year classes. There is no limit on the number of years that one can enter the advanced class. Exhibitors can continue to exhibit in the self-determined class as long as new exhibits are entered or if major revisions are made on a previous exhibit.

Specifications for the standard insect box are available at the OSU Extension Center.

4-H HONEY EXHIBIT

1st—$8.00 2nd—$6.00 3rd—$4.00

Honey should be placed in colorless, one-pint honey jars or standard colorless one-pint fruit jars, such as those made by Kerr, Ball, Mason, etc. Other types of jars will be rejected. The jar covers should be new, if possible, and screwed on tight, thus preventing leakage. There should be 1/4" - 1/2" of air space below the lid.

Honey should be clear and free from foreign particles.

Chunk honey should be perfectly capped, free from stains, beebread and finger prints. Edges should be clean cut, not ragged. One piece only in each jar, as wide as jar mouth will permit and long enough to extend from bottom to the top without jamming. Labels should be neat and plainly written or printed. Jar cover should be perfect. One exhibit allowed in each class per individual.

7. Comb Honey, one pint jar
8. Extracted Honey, one pint jar

SECTION 316—4-H FORESTRY
1st -$8.00 2nd—$6.00 3rd—$4.00

A member may enter one exhibit per class, but is restricted to only those exhibits designed for his or her age group. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

FORESTRY BOARDS AND EXHIBITS MUST BE SIGNED AND DATED ON THE BACK BY THE EXHIBITOR. Two holes 1/2 inch in diameter and 1 inch from the top should be drilled in wood boards to facilitate displaying the exhibit.

TREE LEAF EXHIBITS

NOTE: Exhibit in Classes 1-3 must conform to all requirements, including labeling and display requirements, outlined in 4-H Fact Sheet #236, "Collecting & Exhibiting Tree Leaves" http://4h.okstate.edu/literature-links/lit-online/enviornmental-science/forestry1.

1. Ages 8*-11 Years—Collection of 10 leaves from trees native to Oklahoma (no introduced species). One specimen must be from a native evergreen—pine or juniper. Include a twig & buds with each broadleaf specimen. Exhibit must be properly labeled and displayed on board 22" wide x 28" tall.

2. Ages 12-15 Years—Collection of 15 leaf specimens, representing at least three of the five basic leaf types, from trees native to Oklahoma (no introduced species). Two specimens must be from native awl or scale-leaf evergreen—pine or juniper. Non-native species are acceptable only if they have been introduced for planting windbreaks and shelterbelts. Include a twig with buds with each broadleaf specimen. Exhibit must be properly labeled and displayed on board 28" tall x 44" wide. Two 28" x 22" boards hinged in the middle are more portable.

3. Ages 16 & over—Collection of 20 leaf specimens, representing four of the five basic leaf types, from trees native to Oklahoma. Three specimens must be from needle, scale or awl-leaf evergreens. Species of pine not native to Oklahoma are acceptable if they have been introduced for planting windbreaks and shelterbelts. The palmate leaf sample must come from a native Oklahoma species.

WOOD SAMPLE EXHIBIT

Wood sample exhibits should conform to instructions outlined by age group in Oklahoma 4-H Fact Sheet #238 "Wood Sample Exhibits" (revised 2/2007). http://4h.okstate.edu/literature-links/lit-online/environmental-science/forestry

4. All AGES—The exhibit shall consist of eight (8) wood samples (4 hardwoods and 4 softwoods) mounted on plywood 1/4" thick x 22" wide x 20" high

SELF-DETERMINED EXHIBIT
1st—$8.00 2nd—$6.00 3rd—$4.00

NOTE: Open to 4-H Members of all ages. Exhibit suggestions are listed in 4-H Member's Guide, "4-H Forestry Self-Determined Exhibits" (Pub. #239). (Revised 03/05) http://4h.okstate.edu/literature-links/lit-online/environmental-science/forestry

This exhibit shall consist of a poster, model, or any one of a great number of other creative efforts by the club member which relates to the science and technology of forestry or is otherwise directly related to forestry. Display not to exceed 36" x 36" (depth & width) or poster not to exceed 14" x 22".

5. Self-determined Project, Ages 8*—13
6. Self-determined Project, Ages 14 & over

SECTION 317—4-H GEOLOGY
1st—$8.00 2nd—$6.00 3rd—$4.00

Any eligible 4-H member may participate in collecting, identifying, and preparing a rock-mineral-fossil exhibit or preparing an energy and petroleum exhibit. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. Rock-mineral-fossil exhibitors should securely mount their specimens in a wooden display case with a glass or rigid plastic cover. Display box should be one of the following sizes—Current entomology box—dimensions 19" x 16.5" x 3" or the previous size entomology box which was 18" x 24" x 3.5". Class 1 may be displayed on 18" x 24" plywood or stiff cardboard that has been made suitable for hanging, although a box is recommended. Each sample should be mounted and labeled in neat, orderly manner. Labels should include common name, date and location found, and mineral use. 4-H member can enter only one exhibit per class. **At least one-third of the specimens in any collection must have been collected during the current project year.**

CLASS:

1. Fifteen (15) different unpolished rocks, minerals, or fossils collected from Oklahoma.

2. Thirty (30) different unpolished rocks, minerals, or fossils including specimens of sedimentary, igneous, and metamorphism.

3. Open Class—Education exhibit depicting some phase of geology, testing of minerals, polished rocks, etc. (Display should not exceed 24" x 24").

Energy/Petroleum Exhibits. Posters must be on 14" x 22" poster board. Each must be signed and dated on the back in permanent marker prior to laminating. Judging committee may mark or punch if not marked. Text of posters and displays should be readable from at least 10 ft. away. Displays should be self standing and not bigger than 3' x 3' (width & depth) when sides are extended.

Junior Division (Ages 8*-12)

4. **Poster on well site safety**
5. **Energy/Petroleum Display**. Subject of the display should be petroleum products; different types of energy and how they work; or different careers in energy.
6. **Energy or Petroleum Science Experimental Display (Science-Fair type.)** 4-H members are encouraged to (a.) use their 4-H projects as the basis for their scientific research and discovery; (b.) use the scientific method to gain an understanding of how things work and the variables that affect them; (c.) take an open and creative approach to problem solving; (d.) learn that a successful outcome is based not on personal opinion but on scientific fact; & (e.) use written and visual communication skills.

Intermediate Division (Ages 13-14)

7. **Photography Exhibit over a state park or geological region (not limited to Oklahoma.)** Four photos mounted on 14" x 14" poster board with detailed explanations and information.
8. **Poster on Water Mineral Issue.** Subject of poster should be one of the following:
   - What water hardness and mineral testing can determine
   - Secondary recovery methods
   - Dangers of lead in the water
9. **Energy or Petroleum Science Experimental Display (Science-Fair type.)** 4-H members are encourage to (a.) use their 4-H projects as the basis for their scientific research and discovery; (b.) use the scientific method to gain an understanding of how things work and the variables that affect them; (c.) take an open and creative approach to problem solving; (d.) learn that a successful outcome is based not on personal opinion but on scientific fact; & (e.) use written and visual communication skills.

Senior Division (Ages 15 and over)

10. **Poster of a press release**; collected about the energy information and your interpretation; possibly the Energy Index or other Topic.
11. **Energy or Petroleum Display**. Subject of the display should be areas of the Oklahoma Energy Index; different drilling techniques and how they work; or careers in the energy industry.
12. **Energy or Petroleum Science Experimental Display (Science-Fair type.)** 4-H members are encouraged to (a.) use their 4-H projects as the basis for their scientific research and discovery; (b.) use the scientific method to gain an understanding of how things work and the variables that affect them; (c.) take an open and creative approach to problem solving; (d.) learn that a successful outcome is based not on personal opinion but on scientific fact; & (e.) use written and visual communication skills.

SECTION 318
4-H WILDLIFE PROJECTS
1st—$8.00 2nd—$6.00 3rd—$4.00

Only one exhibit will be allowed in each class per individual in their respective age category. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

All exhibits will be judged on the basis of instructions and standards explained in the "4-H Wildlife Project Exhibit Preparation Guidelines" (#720; revised 12/06). This & other publications listed below are available at the County Extension Office or at http://4h.okstate.edu/literature-links/lit-online/environmental-sicence/wildlife-and-fisheries

Self-Determined Exhibits—to encourage members to develop their own learning projects, a self determined exhibit class is included in each category. For ideas and guidelines for exhibits, please see 4-H publication #721 "4-H Wildlife Self Determined Projects" (revised 12/06) and 4-H NREM 624 Creating a Wildlife Resource Map. Text of posters should be readable at least 10 ft. away. Include references for information. At least one reference must be from a source other than the internet.

All 4-H exhibits should be the original work of the 4-H member. When information is taken from books, publications, magazines, or from the internet it should be expressed in the 4-H members own words. The 4-H member must reference the source of the information by using an asterisk (*) or a number (if more than one) and name the actual source at the end or bottom of paper, poster or educational display following an asterisk or corresponding number in text.

No copyrighted or trademark protected written or visual material (pictures, photos, drawings, illustrations, etc.) should be used from books, magazines, publications or from the internet without permission from the original creator. If 4-H'er applies for and is granted permission to use a copyrighted or trademark protected item, a copy of the permission form or letter needs to be attached to the back of the exhibit and properly cited with an asterisk (*) or number. If an item (picture, photo drawing, illustration, etc.) that is not protected is used its source must be cited and referenced by using an asterisk (*) or number and the source information placed at the end or bottom of paper, poster, or educational display, following an asterisk or corresponding number.

All posters, resource maps, and displays must be permanently signed and dated on the back. If not marked the judging committee may mark or punch. Text of posters or educational displays should be readable from at least 10 ft. away. All exhibits on boards must have hangers. Eye screws and wire preferred. No saw-toothed hangers.

OKLAHOMA WILDLIFE

Exhibits entered in this section should relate to a specific category of game or non-game animals or birds.

Junior (Ages 8*—13)

1. (A) A collection of fifteen (15) different kinds of plants, trees or shrubs known to provide food or cover for wildlife, mounted on food and cover cards or (B) a seed board with fifteen (15) different kinds of seeds eaten by wildlife. (See 4-H Lit. #720 updated 12/06.) No more than four (4) varieties may be cultivated crops. All of the specimens must have been collected during the current project year. For each plant or seed included list one (1) wildlife species that use that plant or seed (on the cover card or board). All plant species must be native to Oklahoma except that up to four (4) of the plants (or seeds) may be from cultivated crops.

2. Scrapbook of Oklahoma Wildlife (cutouts, pictures or drawings) of at least five (5) mammals, five (5) birds , and five (5) reptiles or amphibians. Give common name and what habitat they can be found in. Common names should be specific (i.e., black rat snake, pygmy rattlesnake, etc.).
3. Exhibit of the tracks for eight (8) wild animals or birds commonly found in Oklahoma. POSITIVE plaster casts should be mounted on masonite or plywood, not to exceed 12" x 24". Label each track with kind of animal or bird, which county track was found in, what habitat it was found in and what date the track was cast. See 4-H Lit. #473 Animal Tracks for more instructions and details.
4. Self-Determined Exhibit. Posters must be 14" x 22". Displays must not exceed 3' x 3' (width & depth). Possible examples include but not limited to: a display dealing with methods of identification of waterfowl, a poster on wildlife, or environmental careers. See Lit, #721 "Self Determined 4-H Wildlife and Fisheries Project Ideas" revised 12/06 for additional examples..

Senior (Ages 14—18)

5. (A) A collection of thirty (30) plants known to furnish food or cover for wildlife, mounted on food and cover cards or (B) a seed board with thirty (30) plant seeds known to furnish food or cover for wildlife. No more than six (6) varieties may be cultivated crops. At least half of the specimens must have been collected during the current project year. For each plant or seed include three (3) wildlife species that use that plant or seed (on the cover card or board). Species names must be used for both plants and wildlife in addition to the common name. All species must be native to Oklahoma except that up to six (6) may be from cultivated crops.
6. Evaluation of an Oklahoma habitat type that includes a general description of the habitat plant and animal species (species names must be used for plants and wildlife in addition to the common names) that occur within the habitat; a range map showing the habitat's distribution within Oklahoma; and threats to that habitat. Examples of possible habitats include: playa lakes, tallgrass prairie, cross timbers, and shortgrass prairie.
7. Self Determined Exhibit. Posters must be 14" x 22". Displays must not exceed 3' x 3' (depth x width). Possible examples include but are not limited to: description of a Wildlife Management Area detailing area, location, habitat, management, and wildlife population trends (if known); or a poster with an emphasis on the life cycle, status, range map, and habitat of an Oklahoman threatened or endangered species. Species names must be used for plants and wildlife in addition to common names. See Lit.#721 "Self Determined 4-H Wildlife and Fisheries Project Ideas" revised 12/06 for additional examples.

Junior (Ages 8*—13)

8. Display board showing steps in tying two kinds of fishing knot used in tying lines or leaders. Use cord instead of fishing line. Mount on board suitable for hanging, not to exceed 12" x 12".
9. Notebook describing habits and appearance of five (5) fishes found in Oklahoma. Information on each fish to include photo, drawing or cutout picture, proper common name, kind of food eaten, distinctive physical characteristics, best ways to catch and other topics of interest to anglers.
10. Display of five (5) member assembled lures, together with the materials from which they were assembled, mounted on a board not to exceed 12" x 16". Lures may be spinners, jigs, flies, or plugs or a combination of these. May be entirely homemade or assembled from purchased supplies.

11. Self-Determined Fish Project—Educational report, display or project created by the member. Topic to deal with fish, fishing, fish farming, aquatic food chains or pollution in Oklahoma waters. Displays not to exceed 36" x 36".(width x depth) with sides extended. Poster must be 14" x 22"

Senior (Ages 14—18 Year Olds)

12. Notebook describing habits and appearance of ten (10) fishes found in Oklahoma. Information on each fish to include photo, drawing or cut-out picture, proper common name, kind of food eaten, distinctive physical characteristics, best ways to catch and other topics of interest to anglers.
13. Display of five (5) fishing flies tied by the exhibitor. The material and shape of the exhibit will be exhibitor's choice, but cannot exceed 12" x 12" in size. Attach report to exhibit to indicate the following about each fly on the board: type of fly, type of fish it is used to catch, habitat conditions it is used in, and cost to purchase or make.
14. Display of five (5) fishing lures. Lures may be any type commonly used in sport fishing. The material and shape of the exhibit board will be exhibitor's choice, but cannot exceed 12" x 12". Attach report to exhibit to indicate the following about each lure on the board: type of lure, type of fish it is used to catch, habitat conditions it is used, and cost to purchase or make.
15. Self-Determined Fishing Projects. Educational report, display or project created by the member. Topic to deal with fish, fishing, fish farming, aquatic food chains or pollution in Oklahoma waters. Displays not to exceed 36" x 36" (width x depth) with sides extended. Posters must be 14" x 22".

4-H BIRDS

The following OK 4-H online publications would be excellent resources along with those listed in exhibit text for learning more about birds and birding: 4-H NREM 620 "Bird Watching—A Beginning"; 4-H NREM 621 "Using Binoculars"; and 4-H NEREM 622 "I Think It Is A...." (#622 contains a list of additional resources. These & other publications listed below are available at the County Extension Office or at http://4h.okstate.edu/literature-links/lit-online/environmental-science/wildlife-and-fisheries.

Junior (Ages 8*-13 Year Olds)

16. Display of a home constructed bird feeder (may be from a kit), must include a 3" x 5" index card tacked to the feeder with the following information: 1) What species was it constructed for; and 2) What habitat and site location (should include height) it be placed in. Should be functional and not decorative.
17. Display of a single unit bird house, home constructed (may be from a kit) with a 3" x 5" index card tacked to the house with the following information: 1) What bird species was house constructed for and 2) What habitat and site location (should include height) the house will be placed in. Should be functional and not decorative.
18. Notebook of fifteen (15) pictures, drawings, or photos of birds seen and identified by member and labeled with common name of each.
19. Self-Determined Poster (14" x 22"). See "Self Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub. #721 (revised 12/06) for ideas. See 4-H Wildlife Project Lit No. 720 "Exhibit Preparation Guidelines Leaders/Members Guide" (revised 12/06) for guidelines.
20. **Observation report for Bird Feeder used during previous year,** including photo of feeder at location used ("Bird Feeding Station Report" #723 found on OK 4-H Lit. On-line under Wildlife & Fisheries). May use feeder constructed or a purchased feeder.

21. **Observation report for Bird House used during previous year**, including photo of house at location used ("Birdhouse Observation Report" #724 found on OK 4-H Lit. On-line under Wildlife & Fisheries). May use birdhouse constructed or a purchased house

Senior (Ages 14-18 Year Olds)

22. Bird habitat improvement exhibit. Notebook of pictures or drawings explaining how exhibitor is developing or improving a bird habitat. This exhibit may be added to or continued from year to year as the habitat improvements are implemented.
23. Notebook of bird, feeder, or nest/house observation records for more than current year. Include picture of house or feeder at location used with some analysis of comparisons in observations for years observed. (Observation reports are on OK 4-H Lit. On-line under Wildlife & Fisheries—"Bird and Nest Observation" #722; "Bird Feeding Station" #723; and "Bird Observation" #724)
24. Self-Determined Bird Project. If poster must be 14" x 22". If display must not exceed 3' x 3' (width x depth). See "Self Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub. #721 (revised 12/06) for ideas. See 4-H Wildlife Project Lit No. 720 "Exhibit Preparation Guidelines Leaders/Members Guide" (revised 12/06) for guidelines.

4-H WILDFLOWER STUDY

- At least one-third of the specimens must have been collected during the current project year.
- See information on pressing plants in "Leaf Pressing and Collecting Hints" 4-H publication No. 237 (Revised 04/04) to prepare plants for collections and exhibits.
- Diagram & Posters should be hand generated and not down-loaded from internet or computer.
- **"Wildlife Card" (OK 4-H Lit.#718) can be downloaded from** OK 4-H Lit. On-line under Wildlife & Fisheries. http://4h.okstate.edu/literature-links/lit-oneline/environmental-science/wildlife-and-fisheries Please print form on card stock or heavy paper and hole punch.

Junior (Ages 8*-13 Year Olds)

25. Collection of eighteen (18) Oklahoma wildflowers properly pressed and mounted on wildflower cards. Label with common name and tell location and date collected. Display in a notebook.
26. Drawing or diagram showing parts of a wildflower blossom, not to exceed 8 1/2" x 11".
27. Self Determined poster (14" x 22"). See "Self Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub.#721 (revised 12/06) for ideas and 4-H Wildlife Project Lit No. 720 "Exhibit Preparation Guidelines Leaders/Members Guide" (revised 12/06) for guidelines.
28. Display two (2) principle wildflower families showing four (4) or more pressed flowers of each family labeled with common name. A brief description of each flower family should be included. If poster must be 14" x 22" or display in a notebook.
29. Make a collection, mount and press the leaves of plants showing leaf arrangements (opposite, alternate and whorled); types of leaves (simple, pinnately compound, palmately compound); leaf margins (toothed, smooth and lobed). If poster must be 14" x 22" or display in a notebook on card stock pages or wildflower cards (Lit. #718).

Senior (Ages 14-18 Year Olds)

30. Collection of twenty-five (25) Oklahoma wildflowers properly pressed and mounted on wildflower cards. Label with common name, scientific name, flower family, location collected, date collected, and habitat collected from. Display in a notebook.
31. Make a collection and mount for display at least fifteen (15) kinds of wildflower seeds that show various adaptation to dispersal by wind, water, birds, and mammals.

32. Special collections. Collections of specimens in some special category, i.e., one (1) family, poisonous, dyes, edibles, or specific season such as early spring. If poster must be 14" x 22" on display in a notebook or card stock pages or wildflower cards (Lit. #718).
33. Self-Determined Exhibit. If poster must be 14" x 22". Display must not exceed 3' x 3' (depth x height). See "Self Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub. #721 (revised 12/06) for ideas. See 4-H Wildlife Project Lit No. 720 "Exhibit Preparation Guidelines Leaders/Members Guide" (revised 12/06) for guidelines.

SECTION 319—4-H ENVIRONMENTAL STEWARDSHIP

1st—$8.00 2nd—$6.00 3rd—$4.00

A 4-H member may enter one exhibit per class, but is restricted to those exhibits designed for his or her age group. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. Exhibits will be judged based on the criteria outlined in the 4-H project fact sheets available from the County Extension Office or available on OK 4-H Literature On-line under Environmental Science. Text of posters should be readable at least 10 ft. away. Include references for information. At least one reference must be from a source other than the internet. Posters must not be printed directly from the internet—this is plagiarism.

Each piece of exhibits containing more than one item must be labeled with exhibitor's name and county. **Poster must be permanently signed and dated on the back.** Publications listed in this section can be found at http://4h.okstate.edu/literature-links/lit-online/environmental-science/environmental-science.

1. **Vermi Composting (with worms) (ages 8*-13)** Compost sample and poster that explains how to compost with worms. Must include report for one or more of the following areas: bins for vermi composting, feeding and care, moisture requirements, harvesting compost. Poster must be on 14" x 22" poster board and must include a photograph of your compost bin. One pint of compost (worm castings) in a sandwich-size ziplock bag or pint jar with lid must be included.
2. **Exploring Streams and Lakes Poster (ages 8*-13)** Poster (14" x 22") with photos showing a stream, lake or pond you have visited. Photos should show things like shorelines or creek banks, appearance of the water, condition of vegetation on the shore or banks, and problem areas such as erosion, trash or obvious pollution. For more ideas read Lit. #19 "Water Quality of Streams and Lakes" Related report form is #20. Each photo must have a caption explaining what it shows. Overall, the poster should tell what you think is helping or harming the water or the plants and animals that live there. Members entering this project for 2nd or 3rd year should compare changes over time or season. Poster title should include name of water body, if it has one, and town or county where located.
3. **Water Critters (ages 8*-13)** Display a collection of pond, lake or stream critters (invertebrates only-no animals with backbones e.g. fish or frogs) preserved in one to three baby food jars with rubbing alcohol as described in Lit. #21 "Aquatic Organism". Securely attach a completed Critter ID bookmark (Lit. #29 "Stream and Lake Critter Identification") to the jar using tape and a string around the jar neck. Do not include more than one of each type of critter. Collect only critters found on or in the water, not adult flies. Write a short paragraph telling about the value of water critters—read and summarize in your own words Lit. #21 or related materials. Optional: Include one single-sided page of labeled photos or drawings of the site or collecting activity.
4. **Where Does My Water Come From Poster (ages 8*-11)** (14" x 22") showing or describing the source of your water (lake, aquifer, private well) and/or what is done to it before it (water treatment plant, in home filtration system) gets to your home. See Lit #19 "Water Quality of Streams" for ideas.

5. **Natural Resources of My County Poster (ages 8*-13)**
Poster (14" x 22") with your photos showing a mixture of local natural resources like prairies, forests, scenic views, water bodies, agriculture, wildlife or similar things. Each photo must have a caption naming the resource. Overall, the poster should convince the reader that your county is a great place to live. Poster title should be at least 1" tall & include name of your county.
6. **Recycling Item**- usable item that you made from trash other than craft type item. Original ideas and useful items will be ranked higher (ages 8*-11). Attach 3"x5" card listing all materials used.
7. **Aquatic Habitat Poster (age 12-14)** Poster (14" x 22") with photos showing a stream, lake or pond you have visited. Photos should illustrate distinct habitats such as shoreline vegetation, undercut banks, rocky shores, riffles, pools or runs. Each photo must have a caption explaining what it shows. For more ideas read Lit. #21 "Aquatic Organism". Overall, the poster should comment on things you observed that could be helping or harming the critters or their habitat. Members entering this project for 2nd or 3rd year should compare changes over time or season. Poster title should include name of water body, if it has one, and town or county where located.
8. **Homemade Stream or Lake Sampling Equipment (ages 12-14)**—Display one piece of stream or lake sampling equipment that you have made. Write a one-page report explaining its purpose and how to use it. Some possibilities include Secchi disks, plankton tows, deep water samplers, and kick nets. See TVA booklet, "Homemade Sampling Equipment" for instructions on how to make equipment. Optional: Include one single-sided page of labeled photos or drawings showing equipment in use.
9. **What Is A Watershed? - Poster (ages 12-14)** (14"x22") Describe what watersheds are and how they work. Title must contain the word, "watershed". See Literature #24 "Understanding Human Impact on Streams" for ideas.
10. Recycled Item—useable item made from trash other than craft type item. Original ideas and useful items will ranked higher (Ages 12-14). Attach 3"x5" card listing all material used.
11. **Natural Resource of My County Poster (ages 15-18)** Poster (14" x 22") with your photos showing a mixture of local natural resources like prairies, forests, soils, scenic views, water bodies, agriculture, wildlife or similar things. It is desirable to show people using the resource. Each photo must have a caption naming the resource and explaining how people use and enjoy it. Overall, the poster should convince the reader that your county is a great place to live. Poster title should be at least 1 inch tall and include name of your county.
12. **Stream, Pond or Lake Poster (ages 15-18)** (14" x 22") Photos showing a stream, pond or lake you have visited. Poster should show things people have done or might do along the shore or in the watershed that can harm this stream, pond or lake. For ideas read Literature #'s 21 & 24. Poster title must include name of water body and town or county where located.
13. **Water Critters (ages 15-18)**—Display a collection of pond, lake or stream critters (invertebrates only-no animals with backbones e.g. fish or frogs.) preserved in baby food jars with rubbing alcohol as described in Lit. #21 "Aquatic Organism". Collect in only one water body. Separate critters from different habitats into different jars, labeled with habitat name. Do not include more than one of each type of critter in each collection jar. Collect only critters found on or in the water, not adult flies. Write a 1 page report on three of your critters explaining how they are adapted to their habitat. Read Lit. #21 "Aquatic Organism" for ideas. Use the Bookmark Critter ID rating form instructions (Lit. #29) to calculate the water quality rating for your water body and include results in your report.

14. **Homemade Stream or Lake Sampling Equipment (ages 15-18)**—Display one piece of stream or lake sampling equipment that you have made. Write a 1 page report explaining its purpose and how to use it. Some possibilities include Secchi disks, plankton tows, deep water samplers, and kick nets. See TVA booklet, "Homemade Sampling Equipment" for instructions on how to make equipment. Optional: Include one single-sided page of labeled photos or drawings showing equipment in use.
15. **Illegal Dumping—Poster (ages 15-18)** (14" x 22") Discourage illegal dumping and explain how illegal dumps can contaminate water or create other problems.
16. **Landfill Display (ages 15-18)** Display showing how landfills work. Display must fit a space that is 3' x 3' when sides are extended for display.
17. **Recycled Item**—useable item made from trash other than craft type item. Original ideas and useful items will rank higher (Ages 12-14). Attach 3" x 5" card listing all materials used.
18. **Group Environmental Project Display (all ages)**—This exhibit is to consist of a display and written report of an environmental project carried out by 4 or more 4-H members under the supervision of a 4-H leader. The project may focus on any area of environmental stewardship including recycling, education about a local environmental issue, planting trees or other area of interest. Display not to exceed 3'x 3' (depth x width).
    Judging criteria:
    1. A brief project description and statement of purpose and objectives.
    2. Creativity and quality of project.
    3. A brief summary of project activities, extend to which objective were achieved, knowledge gained, significance of the project to the environment in the community, and number of people involved and/or impacted by project.
    4. Media campaign. Include copies of newspaper clippings and other publicity related to the project.
    5. Photographs may be included
19. **Individual Self-Directed Environmental Stewardship Project (all ages)**—Educational report, display or exhibit on the efforts of the member to protect or improve the environment in or near his/her community. Projects may include topics such as protecting water quality, recycling, illegal dumping, household hazardous wastes, reducing soil erosion on farmland, controlling urban run-off or other topics relevant to the community. Project may include:
    (1) Hands-on efforts (such as controlling erosion by tree planting or use of buffer strips)
    (2) Educational programs conducted in the community, including numbers reached and newspaper clippings (such as minimizing solid waste) or
    (3) A combination of hands-on and educational.

SECTION 322-4-H HORTICULTURE—HOME GARDENING & HOME FOOD BASKET
1st—$8.00 2nd—$6.00 3rd—$4.00

This exhibit is a quality selection of five to nine different species of mature fruits and/or vegetables from exhibits listed below. Items not listed below can be used, but should not be more than a third of the species utilized. Amounts of fruits and vegetables in this exhibit should be such that they can be arranged in a neat and orderly manner and have good eye appeal. **There must be enough of each fruit or vegetable for the judge to determine quality.**

Potatoes, yellow, white or russet, or red
Okra
Onions, yellow, red or white
Pumpkin, field type (oblong) or jack-o-lantern (round and flat)
Squash, winter, acorn or butternut
Eggplant
Squash, summer, zucchini, yellow straight neck, yellow crook neck, or patty pan (scallop type)
Sweet Potatoes, (any variety)
Pepper, jalapeno, other hot pepper, sweet bell pepper, or banana pepper
Tomatoes, large type or cherry type (1 1/2" or less in diameter)
Watermelon, oblong type, round type or small icebox
Red or yellow apples
Pears
All fruits and vegetables exhibited must be grown by the exhibitor.

No specimens in this exhibit may be entered in another class. Any combination of fruits and vegetables may be used. The exhibit must be in a container such as a basket or box. One-third (1/3) of the judging will be on how well the exhibit is prepared and presented. Packing such as paper, straw or cloth, may be used but the fruits and vegetables should be the main attraction of the exhibit. No artificial plant material or specimens can be utilized as part of the exhibit. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

CLASS: 1. Jr. Division—Ages 8*-13 2. Sr. Division—Ages 14 & over

SECTION 323—4-H HOME GROUNDS
1st—$8.00 2nd—$6.00 3rd—$4.00
(Only one exhibit allowed in each class per individual
EXHIBIT UNIT 1—LANDSCAPING HOME GROUNDS

"Before and After" pictures not to exceed 5" x 7" of yard clean-up, plantings or construction of landscape elements mounted securely on one 14" x 22" sheet of poster board shall constitute this exhibit. Number of pictures should be no less than two or greater than eight. Posters must be permanently signed and dated on the back.

Neatness and arrangement of pictures is important. A brief explanation of the project should be attached to the exhibit, and each picture must be labeled. The before and after pictures should show a definite change and should be taken from the same place so judges can evaluate the change. An exhibit should not be entered more than once unless it has been substantially revised.

CLASS: 1. Junior—Ages 8*-13 2. Senior—Ages 14 & over

EXHIBIT UNIT 2- HERBARIUM CARD

These exhibits shall consist of dried and pressed specimens of leaves and other specified parts of native or cultivated trees, vines, and/or shrubs. Each leaf specimen should be mounted on a separate 8" x 10" herbarium card available at your County Extension Office or at http://4h.okstate.edu/literature-links/lit-online/plant-science-entomology/plant. Only the information required in your division should be filled out. The cards should be enclosed in a notebook or binder. Each specimen should be covered with a transparent plastic or similar covering to protect it from damage. No leaf should be more than 3 years old and at least one-third of the specimens must have been collected during the current project year. Instructions for collecting and pressing are available in the OSU Extension Office.

CLASS:

3. Ages 8*-11—A collection of 15 specimens with the following information: (1) common name, (2) general class, and (3) kind of plant.

4. Ages 12-14—A collection of 25 specimens with a pressed flower, fruit or seed included with each specimen. Information on the card to be filled out is (1) common name, (2) general class, (3) kind of plant, (4) form, (5) color, and (6) exposure.

5. Age 15 & over—A collection of 30 specimens with a pressed flower, fruit or seed included with each specimen. All information on the card should be filled out.

EXHIBIT 3—GROUP OR CLUB EXHIBIT

6. This exhibit to consist of landscape or environmental beautification project report on a project such as a home grounds, school, community center, church, city or roadside park, highway beautification, clean-up campaign, etc. A group is to consist of 3 or more 4-H members under supervision of 4-H leaders. All projects must employ horticultural material for the purpose of conserving natural beauty of an area or improving the aesthetic quality and/or function of an area. Other material such as concrete walks, benches, etc. may be used in addition to the horticultural material.

Judging Criteria:

A. A brief project description and statement of purpose and objective.
B. Creativity demonstrated and quality of the project.
   1. Extent to which plan integrates total needs of area, short and long term.
   2. Functional use and aesthetic considerations of horticultural materials and techniques.
   3. Operational considerations of expenses encountered, resource personnel contacted and maintenance factors.
   4. "Before and After" photographic sequence to illustrate effectiveness of the project.
C. A brief summary of project activities, extent to which objectives were achieved, knowledge gained, and the particular significance of the project toward the improvements and beautification of your environment.
D. Newspaper clippings and other publicity of the project.

SECTION 324—4-H HORTICULTURE TERRARIUMS

1st—$8.00 2nd—$6.00 3rd—$4.00

Terrarium of plant life. Refer to OSU Fact Sheet No. 6438 or a similar guideline. No specific size of container, materials, plants or methods. Criteria for judging will be (1) compatibility and arrangement of plants and materials, (2) appropriate potting media, and (3) attractiveness and originality, (4) appropriate size of plants for container. Terrariums should feature either woodland or tropical plants and feature at least 3 different species of plants. Terrariums must be completely covered at all times. Terrariums containing succulents will be disqualified; succulents belong in dish gardens. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.

CLASS: 1. Ages 8*-11 2. Ages 12-14 3. Ages 15 & over

DISH GARDENS

Dish Garden of plant life. A 4-H / OSU Fact Sheet is currently in production. Until it comes available refer to http://www.thegardenhelper.com/dish-gardens.html or other online or print resources for project ideas and information. Criteria for judging will be (1) compatibility and arrangement of plants, potting media, and container (2) attractiveness and originality (3) appropriate size of plants for container. Dish Gardens may feature succulents, carnivorous plants, cactus, or foliage plants. Dish garden should feature at least 3 different species of plants.

CLASS: 4. Ages 8*-11 5. Ages 12-14 6. Ages 15 and over

RESIDENTIAL LANDSCAPE DESIGN DRAWING

Develop a landscape design/drawing for the provided residence. Base maps should be printed on 11" x 17". Once printed verify scale is 1in=10ft. Design drawings are to be made directly on the provided base maps. Use provided examples of landscape symbols to draw and/or trace on to the base map. Use the provided color rendered landscape drawings for example of effective designs and color techniques. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit. Reference http://www.hortla.okstate.edu/research-and-outreach/programs/youth/4-H

Competition Guidelines

- Use white 11" x 17" paper to horizontal exhibit landscape drawings.
- Create a column on right side of sheet for title block, 2 inches wide from top of drawing to bottom. List the following in INK: Scale, symbols of plants, numbers representing trees, shrubs and plants and how many of each plant were used in the landscape. Example: 1—Rose (6), 2—Oak trees (4), 3—Petunia (3 dozen or 36). Name, date and chapter.
- Drawing is top view (plan view).
- Use the scape provided: 1 in = 10 ft.
- Hand drawings or CAD drawings will be accepted.
- Draw plant symbols at mature plant size.
- Use the plant symbols and the materials symbols provided.
- Drawings must be full color
- Walkways should be 3 ft. or 5 ft. wide.
- Patio(s) are required on the back of the house.
- In the drawings use a line to indicate the planting beds. All small trees, shrubs, and perennials should be inside a planting bed. Large trees could be found in the lawn or inside planting beds.

CLASS: 7. Ages 8*-11 8. Ages 12-14 9. Ages 15 and over

Horticulture in Our Lives Poster Exhibit

Posters must be 14" x 22" and must be permanently signed and dated on the back prior to laminating. Judging committee may mark or punch if not marked. Text of posters should be readable from at least 10 ft. away.

Choose a fruit, vegetable, nut, spice or beverage (tea, coffee, chocolate) crop, and create a poster depicting one of the following topics related to that crop:

a. History (domestication process, global spread via immigrants, etc.)
b. Production
c. Use in different cultures
d. Use in different processed foods

CLASS: 10. Ages 8*-11 11. Ages 12-14 12. Ages 15 and over

MODELS

Model cold frame or hoop house—mounted on a piece of painted plywood no larger than 12"x12" Must include an explanation of the purpose of the structure, examples of potential uses, correct orientation in the landscape, and materials necessary in its construction. Explanation should be typed or handwritten on a laminated piece of white paper no larger that 8.5"x11" and be securely attached to the model.

CLASS: 13. Ages 8*-11 14. Ages 12-14 15. Ages 15 and over

Model vegetable garden—mounted on a piece of painted plywood no larger that 12"x12". Must include at least 5 different vegetables, show appropriate orientation (identify 'north'), and appropriate spacing of plants. Must include an explanation of the layout of the garden, the spacing requirements of the selected plants, the dates each chosen vegetable would be planted/harvested, and any support structures (trellises, cages, etc.) necessary. The explanation should be typed or handwritten on a laminated piece of white paper no larger than 8.5"x11" and be securely attached to the model. All pieces of the model must be handmade (no store bought fences, mini vegetables, etc.). **CLASS: 16. Ages 8*-11 17. Ages 12-14 18. Ages 15 and over**

SECTION 4325 – 4-H Companion Animals

- All Companion Animal exhibits should focus on one of the following: 1) Animal Health and/ or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship.
- Companion Animals refer to animals utilized as household pets, not livestock or wildlife. In cases of animals (i.e. rabbits, turtles, etc.) that can be represented as a companion or a non-companion animal projects it will be up to the 4-H member to make sure that their entry represents companionship.
- The 4-H member's name, age, and county must be included attached to the exhibit. Exhibits deemed to be inappropriate will not be displayed. All exhibitors must be at least 8 years old and in 3rd grade by September 1 to exhibit.
- If you use text, pictures, drawings, artwork or other information not created by you in your exhibit you must cite the source. See "COPY WRITTEN MATERIAL AND REFERENCING SOURCES" section at opening of 4-H Division.
- When using the official clover with H's, the tail should curve to the right and the words 18u.s.c. 707 must appear under the lower right leaflet, except if hand drawn clovers.

Companion Animal Poster illustrating one of the following 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship.

Posters must be 14"x 22". For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Posters must be permanently signed and dated on the back. If not marked the judging committee may mark or punch. Posters may be horizontal or vertical. Text of poster should be readable from at least 10 ft. away.

1. Jr. (ages 8*-13) 2. Sr. (ages 14 & over)

Companion Animal Display illustrating one of the following 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. Space for the booth is 3 feet deep and 4 feet wide (with sides extended for display). Back can be 4 feet high. Display must be free-standing. Models, photographs, posters or other means for display may be used. Display may be prepared by an individual or group from a county. Exhibit must prominently display a 4-H clover or mention 4-H.

3. Jr. (ages 8*-13) 4. Sr. (ages 14 and over)

Companion Animal Photo Story Board illustrating one of the following 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. Story Board should contain 4 to 6 photos attached to the surface of a white or a colored foam core, poster, or mat board no larger than 14" X 22". Each photo should contain a caption. Judging criteria will emphasize content first and photo composition second. Photos are to be taken by the exhibitor.

5. Jr. (ages 8*-13) 6. Sr. (ages 14 and over)

Companion Animal Single Photo Entry illustrating one of the following 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. Prints must be no smaller than 3.5" x 5" and no larger that 5" x 7". Digital Photos may not be manipulated or altered except for color and contrast adjustments, cropping, exposure adjustments, and red eye reduction. Prints must be securely attached to the surface of a poster board or mat board. No double matting, use of multiple layers or more than one color. The entire print must be seen and cannot be masked in any way. Boards must be 10" x 10" or 14" x 14". Captions are optional, but not required. Photos are to taken by the exhibitor.

7. Jr. (ages 8*-13) 8. Sr. (ages 14 and over)

Me and My Pet Journal – A 3 ring binder, 3" or smaller, showing activities you and your pet have been doing this past year. Emphasis should be given to 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. It may include but is not limited to training notes, photos of you and your pet working on a new trick, newspaper clippings of you and your pet participating in service projects, breeding records, animal health records and much more. Members are encouraged to keep multiple years in their journal but the previous years' work should be clearly labeled as such. Judging emphasis will be placed on the current year's work.

9. Jr. (ages 8*-13) 10. Sr. (ages 14 and over)

Other Companion Animal Item Exhibit must have a 3x5 inch note card describing the exhibit, what was done to create or prepare this exhibit and how the exhibit relates to 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. Posters, Photos, Displays, and Journals are not allowed in this category.

11. Jr. (ages 8*-13) 12. Sr. (ages 14 and over)

SECTION 4327—PERSONAL DEVELOPMENT & LEADERSHIP DIVISION

If you are interested in exhibiting projects, please contact the OSU Extension Office for a list of eligible exhibits.

SECTION 325—4-H CLOVERBUDS

The Cloverbuds is a program for prospective 4-H'ers between the ages of 5-8 years old. With your support and encouragement Cloverbuds can have a very rewarding experience and be even more excited about becoming a regular 4-H member when they are old enough.

The Cloverbuds organization will give the younger youth an opportunity to participate in 4-H activities and become a part of the 4-H program. 4-H re-affirms 4-H youth's potential by providing opportunities to learn life skills which will carry them through life. 4-H provides the youth the opportunity to succeed and to be recognized for their accomplishments.

*Ribbons and awards will be awarded for each entry, there will be no cash awards for Cloverbud entries.

HOME ENVIRONMENT

Class 1: Pencil Holder—Juice Can
Class 2: Personalized Placemat—Decorate Purchased Placemat
Class 3: Recipe Card Holder
Class 4: Recipe Box—purchased box and decorated
Class 5: Egg Carton Treasure Box or Jewelry Case
Class 6: Miscellaneous (Such as, but not limited to: Wall organizer, planter or plant holder, decorated dish)

CLOTHING

(May enter only one (1) class according to age)

Class 7: Needle Book (5 years old)
Class 8: Eye Glass Case (6 years old)
Class 9: BBQ Mitt (7 years old)
Class 10: Travel Case (8 years old)
Class 11: Miscellaneous (May not enter a project that is listed for project entries for youth 9 and older. Items such as, but not limited to: purse, duffle bag, house shoes, pincushion).

PHOTOGRAPHY

Picture Story—Must consist of 3 to 4 pictures taken by member. Should tell a story.
Title and picture caption may be used.
Class 12: "My favorite….."
Class 13: "What I did this summer"

FOODS & NUTRTION

Posters—posters must be on legal size typing paper (8 1/2" x 14") or one quarter the size of poster board (11" x 15"). May free hand draw or use pictures to explain topic.
Class 14: Miscellaneous (Title of your choice)
Class 15: Poster Topics— "Foods from My Plate Food Guide ", or "My Favorite Foods"
Class 16: Foods—No baked or refrigerated food item (include recipe & instructions)
EXAMPLE: Trail or snack mix, popcorn, seasoned or sweetened popcorn, cookies.
Some recipes are available from the OSU Extension Office.

HORTICUTLRE

Class 17: Jack-O-Lantern—decorated or painted
Class 18: Biggest Potato

Class 19: Container Garden (plastic 2 or 3 liter pop bottles, may be only eatable plants)
Class 20: Terrarium (plastic 2 or 3 liter pop bottles, may be only non-eatable plants)
Class 21: Largest Pumpkin
Class 22: Largest Watermelon
Class 23: Largest Tomato

CRAFTS

Class 24: Hand Puppets—use paper sack or sock
Class 25: Wooden or Nature Crafts
Class 26: Plastic Crafts
Class 27: String Art
Class 28: Seed Pictures
Class 29: Free Hand Drawing
Class 30: Creative design using pre-cut or pre-manufactured building pieces (Lincoln Logs, Tinker Toys, or Lego's or combination of each)
Class 31: Ceramics
Class 32: Metal Craft
Class 33: Miscellaneous

CONSERVATION

Class 34: Bird House—use plastic container such as pop bottle, bleach container
Class 35: Bird Feeder—use plastic container such as pop bottle, bleach container
Class 36: Wildflower Collage (5 different wildflowers ironed between two (2) pieces of wax paper)
Class 37: Poster—on legal size typing paper. Containing either five (5) fish or five (5) bird pictures native to Oklahoma. May be hand drawn, or cut out of magazines.
Class 38: Miscellaneous (Such as, but not limited to: collection of pine cones, collage of different items found on nature hike, collage of trash or harmful items to the environment. Instructions and guidelines for fair projects will be made available from the OSU Extension Office. Cloverbud projects should be made entirely by the member.

SECTION 326—4-H PET SHOW

Superintendent—Georgia Shipley

Saturday

Entry Time—4:30-5:00 p.m. Show Time—5:30 p.m.

Pet Show entry forms may be picked up at the Fair Office.

1. Exhibition in this show is limited to Rogers County 4-H members.
2. Dogs and cats must have current vaccinations (either certificate or tag).
3. Prizes will be ribbons only presented to the 1st-5th places.
4. Each exhibitor may enter up to 4 categories (1 pet in 4 classes or 4 pets in 1 class each or 2 pets in 2 classes each, etc.)

CLASS:

1. Largest Pet
2. Smallest Pet
3. Most Unusual Pet
4. Best Dressed Pet
5. Best Owner/Pet Matching Outfit
6. Unusual Pet Trick
7. Furriest Pet
8. Smoothest Skin Pet
9. Longest Tail
10. Shortest Tail
11. Longest Pet
12. Shortest Pet
13. Most Colorful/Natural Coat
14. Most Active Pet
15. Most Peaceful Pet