FORWARD

The Atoka County Free Fair is for the benefit of all the citizens of the county.

A county fair is one of the greatest educational institutions today. Fairs stimulate interest in the improvement of livestock, crops and improved home practices.

Whether you win prizes at the fair is not the important thing. By comparing your work with that of your neighbors and those in other parts of the county, you can get ideas that will be of help to you down through the years. We particularly urge you to encourage the boys and girls in the fair, for they are the future.

ATOKA COUNTY FAIR BOARD MEMBERS

District 1 ....................... Jody Goodson
................................. Megan Garside
................................. Montana Dodd

District 2 ....................... Tiffany Coates
................................. Zach Hunt
................................. Carla Douglas

District 3 ....................... Robert Spradlin, chm
................................. T.J. Smoot
................................. Shelly Rector

ATOKA COUNTY COMMISSIONERS

District 1 ................................................................. Marvin Dale
District 2 ................................................................. Gilbert Wilson
District 3 ................................................................. Phillip Culbreath

ATOKA COUNTY EXTENSION STAFF

Harold Stephens ............................................................... Ext. Educator, Agriculture/4-H & CED
Barbara Elkins ............................................................... Ext. Educator, Family & Consumer Sciences/4-H
Judy Elliott ................................................................. Extension Administrative Support Specialist
SCHEDULE OF EVENTS

Tuesday, September 12, 2017
1:00 pm – 8:00 pm
Entries accepted at Fair Barn -- NOTE TIME!!!

NEW!! All poultry and rabbits must be entered Saturday, Sept 16, 8:00 – 9:30 am at which time they will be blood tested. They will be shown and judged Saturday, Sept 16, 10 am. Again this year, exhibitors will take their animal to the judge and “show” it for judging.

Wednesday, September 13, 2017
9:00 am – 5:00 pm
Barns closed to public for judging
3:30 pm
Sporting Clays (14-19 year olds)
5:00 pm – 7:00 pm
Barns open to public

Thursday, September 14, 2017 – YOUTH DAY
9:00 am
Exhibits open for viewing
Petting Zoo, Carnival Games, Balloon Man
Goat Exhibition
Wildlife Exhibits
6:00 pm
Register for Pet Parade & Archery Shoot
6:30 pm
Pet Parade for Adults and Youth and
Archery Shoot
8:00 pm
Barns close for viewing

Friday, September 15, 2017 – YOUTH DAY
9:00 am
Exhibits open for viewing
Petting Zoo, Carnival Games, Balloon Man
Goat Exhibition
6:00 pm
Reg for Bean Bag/Corn Hole Contest ($5 for 2-man team)
Wildlife Exhibits
8:00 pm
Barns close for viewing

Saturday, September 16, 2017 – COMMUNITY DAY
8:00 am – 9:30 am
Enter Poultry & Rabbits
9:00 am
Check-In for Livestock Show
9:00 am
Exhibits open for viewing
9:30 am – 10:00 am
Sign up for Youth Activities & Archery Shoot
10:00 am
Poultry Show
10:00 am
Jr. Livestock Show
11:30 am
Check-in for Chili Cook-Off and
Homemade Ice Cream Contest
12:00 – 1:00 pm
Eat Chili and Ice Cream
12:00 – 2:00 pm
Exhibits closed for viewing and must be picked up

Please do not take your items before 12:00 pm.
All exhibits at the Atoka County Fair are entered and displayed at the risk of the exhibitor. The Atoka County Fair Board and the Atoka County Extension Center staff will exercise due care to protect exhibits, however, they cannot accept the responsibility for loss or damage due to conditions imposed by large crowds, building in which exhibits are housed, or space available for exhibits. If the exhibit has a lot of sentimental value, the exhibitor should consider whether such exhibits should be exposed to the hazards of the fair.

1. ELIGIBILITY: Each exhibitor must be a bonafide member of an Atoka County 4-H Club or Atoka County FFA Chapter.

2. 4-H and FFA members are to enter exhibits in the 4-H and FFA classes and not in Open Class.

3. 4-H and FFA members are eligible to enter as many classes as desired, but may have only one entry per class.

4. The exhibitor should refer to each individual section of the Fair Catalog for the number of articles that make an entry, and other information relative to an exhibit.

5. The exhibit must have been made or prepared after October 1, 2016.

6. Any objectionable exhibit will be removed from the Fair.

7. Exhibits are to be made by the 4-H and FFA members only.

8. If there is only one entry in a class, that entry will be judged on quality of work done and placed accordingly.

9. Entry time will be 1:00 pm until 8:00 pm, Tues, Sept 12, with Poultry & Rabbits accepted on Sat. Sept 16, 8:00 – 9:30 am only! No one will be allowed in the exhibit area during the time entries are being taken except for designated persons.

10. Exhibit release time will be Saturday, Sept. 16, 12:00 pm to 2:00 pm. Please make arrangements to pick up your exhibits at this time. Any exhibit removed before 12:00 pm on Saturday will not receive premium money.

11. Exhibits will be judged on Wednesday morning, Sept. 13. The building will be closed during this time.

12. All food products are to be on a paper plate covered with a clear plastic bag and held shut with a twist tie or in a zipper-closed bag.

13. Exhibits selected for the Tulsa State Fair competition will be tagged with a special purple and white sticker -- "Selected for State Fair."

14. The Fair Building will be open from 9:00 am to 8:00 pm on Thursday & Friday, 9:00 am to 12:00 pm on Saturday for the public.

15. Failure to comply with any of the above rules will cause an exhibit to be disqualified.
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. — Posters 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. Copyrighted or trademarked cartoon characters or other designs must not be used due to copyright restrictions.

For display purposes, exhibitors are encouraged to laminate or cover all posters with clear plastic film. Posters must be signed and dated on the back in permanent marker before laminating. If not marked the judging committee may mark or punch. Text of posters should be readable from at least 10 ft. away.

**Individual 4-H member is restricted to those exhibits designed for his or her age group.**

The 4-H member’s name, age before January 1, and county should be on the back of the poster in the upper left hand corner.

Posters 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.

**Beginner Division (ages 9-11)**

1. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or promote any 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)**

4. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or promote any 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.

**Advance Division (ages 15 and over)**

7. 4-H promotional poster designed to recruit 4-H members, volunteers, 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
EDUCATIONAL BOOTH DISPLAY

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 for display). Back can be 4 feet high. There will be no solid dividers between booths, use lightweight materials for ease in transporting. 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. Criteria for judging will be (1) effectiveness of the message, (2) appropriateness to the theme, (3) interest and attractiveness to the public.

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 issue, event, etc.
- Community Service.
- The national campaign, "4-H Grows Here”

**EXHIBITS IN THIS SECTION MUST PROMINENTLY DISPLAY A 4-H CLOVER OR MENTION 4-H.** When using the official clover with the H’s, the tail should curve to the right and the words 18 U.S.C. 707 must appear in 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](http://4h.okstate.edu/educators/4-h-name-and-emblem)

Do not include valuables, food items that will spoil or potentially harmful products in any educational display. Neither the Tulsa State Fair nor the 4-H Program can accept responsibility for loss of valuables. Potentially harmful products will be discarded.

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 theme “Building your 4-H Legacy”.
SECTION 302
4-H PHOTOGRAPHY

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. 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 photos 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”x7” (except when panoramic prints are used) for all classes, except classes 5, 10, 14, 18, and 22 where prints may be up to 8”x10”. Prints should be printed on photo quality paper (not copy paper). Print quality is taken into consideration by the Judge. Photos will be disqualified if in a frame.

BOARDS: Prints must be securely attached to the surface of a single black or white (not colored) poster board, foam core, poster 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 14”x14” for all classes.

TITLE, 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 4-H photography project, camera type (digital SLR, smart phone, digital point and shoot or 35mm film) and megapixels (if camera if digital). If the exhibitor is entering classes 11 and 16, please include the film speed or digital ISO, shutter speed and aperture (if the camera is adjustable).

Level 1: Focus on Photography
Junior Classes – Ages 9-13

For members who have beginning skill level.
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 and over
For members who have 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
Junior Classes – Ages 9-13

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 and 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 the board must explain the ideas being illustrated.
18. Best individual photo made this year.

Level 3: Mastering Photography
All Ages

For members who have advanced skill level
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 or foam core 14” x 14”

23. Junior (9-13 years old)
24. Senior (14 and over)

Digitally altered photography/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 photography, 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”x14”. Attach up to ½ page of written explanation of the alterations to the back of the exhibit.

25. Junior (9-13 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 photographic techniques of red eye removal, cropping, etc. Must be securely attached to a single black or white foam core or poster board 14”x14”. Attach up to ½ page of written explanation of the alterations to the back of the exhibit. Trademark images may be not be used.

27. Junior (9-13 years old)
28. Senior (14 and over)

SECTION 303
4-H EXPRESSIVE ARTS EXHIBITS
Juniors ---- Ages 9-13 ~ Seniors ---- Ages 14 and over

Individual members may enter only one exhibit per class. Exhibits in all classes are limited to items that cannot be exhibited in other sections.

Exhibits must be permanently signed and dated in an inconspicuous location, if size and material permits. Ceramics should be signed before firing. Judge or judging committee at the state level may mark exhibit with fair and year (for example: TSF 2016), if not signed and dated. Effort will be made to mark in an inconspicuous place.

Paintings, drawings, and other items that are to be hung must have a hanger attached or they may not be displayed

1. Jr. Fine Art — Pencil, charcoal, pastels, chalk, ink
2. Sr. Fine art — Pencil, charcoal, pastels, chalk, ink
3. Jr. Fine Art — Watercolor
4. Sr. Fine Art ---- Watercolor
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 on a potter’s wheel
12. Sr. Pottery ---- Original design made from clay using a process of hand molding on a potter's wheel
14. Sr. Print Process Article ---- Block printing and 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. Bread Craft Article
19. Jr. Leathercraft – Kit
20. Sr. Leathercraft – Kit
22. Sr. Leathercraft – Original Design
23. Jr. Handcrafted Wax Candle
24. Sr. Handcrafted Wax Candle
25. Jr. Handcrafted Gel Candle
26. Sr. Handcrafted 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. Duct 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 & Technology Exhibits
The 4-H technology exhibits are open to all ages. They will be judged separately in two age groups. Juniors - ages 9-13 and Seniors - ages 14 and over. Every exhibit must be labeled on the back with the following information: Name, Club, County, age before January 1 and date poster or exhibit was made. Copy written materials such as professional photos, book, 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](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 foam core or poster board.

1. Jr.
2. Sr.

**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” by 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”x22”-1/2 of a poster board. Attach a large envelope to the back of the board and insert a folded copy of the brochure.

4. Sr.

**PowerPoint 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 3-1/2” diskette or CD (in an envelope). All PowerPoint presentations should be mounted on a freestanding display board not to exceed 36”x36” when the sides are extended for display. Commercially available “Science Fair Presentation boards” are encouraged.

5. Jr.
6. Sr.

**Digital Media –** Submit a video (maximum of 3 minutes) and movie style poster. Poster (14”x22”- 1/2 of a poster board – must include 4-H Clover or mention 4-H) should creatively depict the video’s content. Video can be promotional, informational, music, or a documentary. The video must be in a windows media (.WMV) or (.AVI) format and submitted on a cd/dvd. 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. Jr.
8. Sr.

**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 9-13 year olds; Seniors – ages 14 & over.

Every exhibit must be labeled on the back with the following information: Name, Club, County, Age as of January 1 and date poster, map or exhibit was made. Posters/Maps must be 14” x 22” – 1/2 of a poster board.

Exhibitors are encouraged 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”x22”. Displays must be free standing and not be larger than 3’x3’ (width x depth) with sides extended for display.

**Poster showing the parts of a GIS map** with an explanation identifying the purpose of each item.

9. Junior
10. Senior

**Display illustrating how GPS works,** including the user, control and space segments of the system.

11. Junior
12. Senior

**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. Junior
14. Senior

**Hand drawn map.** Map can either be informational or directional. Attach a one page explanation of the purpose for the map.

15. Junior
16. Senior

**Computer generated map.** Map can be either informational or directional. Attach a one page explanation of the purpose for the map.

17. Junior
18. Senior

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

19. Junior
20. Senior

**Club or County Mapping Project Display**

21. Displays must be free standing and are limited to 36” x36” (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 as of January 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 9-13 year olds; Seniors – ages 14 & over. Every exhibit must be labeled on the back with the following information: Name, Club, County, Age as of January 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 3’ x 3’ (width x depth) when sides are extended for display.

Programmable Robot
22. Junior
23. Senior

Remote-controlled Robot
24. Junior
25. Senior

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

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 and 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 1. Attach a 3x5 note card. Explain how you built and tested your catapult. Chart your marshmallow launches.
31. Juniors (9-13)
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 3X5 card attached to your turbine.
http://www.4-h.org/4-h-national-youth-science-day/past-experiments-archives/
33. Juniors (9-13)
34. Seniors (14 and over)

SECTION 305
4-H SCIENCE DISCOVERY PROJECTS
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 and Social Sciences
- Biochemistry, Medicine, and Health Sciences
- Botany and Zoological Sciences
- Computer Science
- Earth and Space Sciences
- Engineering
- Environmental Sciences
- Mathematics
- Physical Sciences

A few resources for finding project ideas are:
The WWW Virtual Library: Science Fairs - http://physics.uscd.edu/~gould/ScienceFairs/
Information about Oklahoma Science Fairs - http://ossef.ecok.edu/

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. Counties may enter one exhibit in each class. First place exhibits in each class will be displayed. Second place and sub-sequential exhibits may be displayed based upon space available and judges’ / committees’ discretion.

Classes:
1. Beginning Division (9-11 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 and 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 include 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.

SECTION 306
4-H FABRICS & FASHIONS
The Skill Mastery sheet [link] 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 recommended 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 that each 4-H member take responsibility for the life skill of “learning to learn.” This may require members, leaders and educators to look up terms and 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 - line, shape or form, texture, color, 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 [link] for downloadable resources. These resources will better define multimedia, story board, 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 [link].

**Descriptions** – Any project requiring a description will include 1-2 pages, double spaced, 12 point font. Neatly/legible handwritten descriptions are acceptable.

**APPAREL DESIGN & CONSTRUCTION – (ADC)**

**Level 1 (Ages 9-10)**
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)
6. **Costume** (Halloween, holiday, costumes for human and non-humans, 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 3 x 5 card.
7. **Apparel Design Portfolio:** A book with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

**Level 2 (Ages 11-12)**
Project must have at least 2 of the skills required for the ADC level 2 project work

8. **One piece garment with facing** (robe, jacket, dress, jumpsuit, shooting vest, any other similar item not stated)
9. **Simple Bottom with pocket and/or waistband or facing** (shorts, capris, pants, skirts, any other similar item not stated)
10. **Two piece garment** (top and bottom, jacket/vest with bottom/dress, PJ’s, any other similar set of items, not stated)
11. **Non-human Apparel** (doll clothes, pet or livestock garment, any other similar item not stated)
12. **Sewn Fashion Accessory** (sewn hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)
13. **Knitted/Crocheted Yarn/Thread Fashion Accessory** (knitted/crocheted hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)
14. **Costumes** (Halloween and holiday; including human and non-human items, 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 3 x 5 card.
15. **Apparel Design Project Portfolio:** A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

**Level 3 (Ages 13-14)**
Project must have at least 2 of the skills required for the ADC level 3 project work.
16. **Blouse/Shirt with sleeves and closure** (set-in, flat inset, cap, raglan, or kimono, any other similar item not stated)
17. **Bottom with zipper and/or pocket** (shorts, capris, pants, skirts, any other similar item not stated)
18. **Two piece garment** (coordinating top and bottom, jacket/vest with bottom/dress, PJ’s, uniform, any other similar item not stated)
19. **One piece garment with buttonholes and/or zipper** (shirt, blouse, robe, jacket, vest, dress, jumpsuit, costume, uniform, any other similar item not stated)
20. **Sewn Fashion Accessory** with closure/fastener and seams.
21. **Knitted/Crocheted Yarn/Thread Fashion Garment or Accessory** (knitted, crocheted, tatted, any other similar item not stated)
22. **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 3 x 5 card.
23. **Redesigned Original Apparel** with before and after pictures and a written description of the design and construction process the member chose and 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.
24. **One piece lined or unlined, garment** (pants, skirt, coat, jacket, dress, jumpsuit, uniform, formalwear, any other similar item not stated)
25. **Unlined two piece ensemble/coordinate**
26. **Lined Two piece ensemble /coordinate** (coat/jacket/vest, dress, suit, any other similar item not stated)
27. **Apparel Design Story Board** – Include suitable fabric and trim swatch options w/care instructions, sketches of front and back view, accessories, intended consumer, construction cost. Exhibit may consist of a multimedia presentation, notebook or story board (matte or foam core board 20” x 15”) with above items and a description of what was learned. See instruction sheets for details.
28. **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.
29. **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 3 x 5 card.
30. **Apparel Design Creative Component** – “Frugal Fashion”: Assemble a complete ensemble acquired at a thrift store/garage sale/similar source. Exhibit will include the garment and accessories, a picture of the garment being modeled by the person it was purchased for and an itemized price list for the complete “look.” See instruction sheet for details.

**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 and fabric.

**Level 1 (Ages 9-10)**
Project must have at least 2 of the skills required for the IDC level 1 project work
31. **Home Accent Bath:** caddy; rug; or cover (example of “covers” - tissue, toilet, TP) decorative towel; simple curtain; trash can, any other similar item not stated)
32. **Home Accent Bedroom:** pillow case, pillow, simple blanket/quilt, trash can, padded hanger, bulletin board, rug, any other similar item not stated
33. **Bags:** laundry, jewelry, cosmetic, book/electronic cover, any other similar item not stated
34. **Home Accent Storage:** bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, locker storage, scrapbook cover, any other similar item not stated
35. 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.  \textit{(Do not include any item which would fit under HTDC)}

36. Seasonal Décor non fabric: wall hanging, centerpiece, decoration, any other similar item not stated

37. Interior Design Project Portfolio A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

\textbf{Level 2 (Ages 11-12)}

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

38. Home Accent Kitchen food caddy/warmer, appliance cover, message center/board, simple curtains, table cloth, simple table runner, hand/dish towel, potholders, hot pad, apron, lunch bag, placemats and napkins, any other similar item not stated

39. Home Accent Bedroom: two pillow cases, two coordinating pillows, two decorated towels or any combination of two pieces - a washcloth, hand towel and bath towel, blanket/quilt with binding, lamp shade, lap desk, rug, painted floor cloth, any other similar item not stated

40. Bags: laundry, jewelry, cosmetic, book/electronic/computer cover, garment bag, any other similar item not stated

41. Home Accent Storage: bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, scrapbook cover, any other similar item not stated

42. 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.  \textit{(Do not include any item which would fit under HTDC)}

43. Seasonal Décor non fabric: wall hanging, centerpiece, decoration, any other similar item not stated.

44. Interior Design Project Portfolio A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

\textbf{Level 3 (Ages 13-14)}

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

45. Home Accent Living room- slipcovers, lined curtains/drapes/shades, pillows, lap throw, remote caddy, ottoman, lamp shade, fireplace mantel scarf, doily, any other similar item not stated

46. Home Accent Bedroom: any combination of coordinating items - bedspread, dust ruffle, pillow sham(s), lined curtains/drapes/shades, dresser scarf, hanging storage unit, under bed storage, garment bag, doily, any other similar item not stated

47. Recycled/Upcycled Furniture – painted, stained, refinished, decoupage, tiled or upholstered furniture, any other similar item not stated

48. 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.

49. 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.  \textit{(Do not include any item which would fit under HTDC)}

50. Seasonal Décor non fabric: wall hanging, centerpiece, decoration, any other similar item not stated.

51. Interior Design Creative Component – “Science”: Illustrates a science experiment related to interior design. Might include the comparison of energy use/options for the home, lighting, water efficient processes or products, sun or landscaping to heat or cool homes, any other similar item not stated. Exhibit will consist of a multimedia presentation or notebook which communicates (written words or audio narration) and illustrates (pictures) the members science experiment using a recognized model of scientific discovery. See instruction sheets for details.

52. Interior Design Project Portfolio A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

\textbf{Level 4 (Ages 15 and up)}

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

53. Home Accent Outdoors – picnic accessories, curtains, cushions, shades, placemat and napkins, utensil/condiment caddy, insulated carrier, any other similar item not stated

54. Design Story Board – For an “Ultimate/Ideal” Room. Include color scheme, wall treatment, floor treatment, floor plan, etc. Exhibit will consist of a multimedia presentation, notebook or story board (matte or foam core board 20” x 15”) with above items and a description of what was learned. Project will include but not limited to pictures, samples, diagrams, drawings, narration, cost comparison of supplies, optional floor arrangements and budget/cost for project. See instruction sheets for details.

55. Recycled/Upcycled Furniture – painted, stained, refinished, decoupage, tiled and/or upholstered furniture

56. Interior Design Creative Component – “Science”: Illustrates a science experiment related to interior design. Might include the comparison of energy use/options for the home, water efficient processes or products, sun or landscaping to heat or cool homes, furniture/cabinet design, any other similar item not stated. Exhibit will consist of a multimedia presentation or notebook which communicates (written words or audio narration) and illustrates (pictures) the members science experiment using a recognized model of scientific discovery. See instruction sheets for details.
57. **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)

58. **Seasonal Décor non fabric:** wall hanging, centerpiece, decoration, any other similar item not stated.

59. **Interior Design Creative Component— “Citizenship:** Develop and implement a service-learning project which meets an identified need in the community or for an individual. Must be related to Interior Design and Construction. Exhibit will consist of a multimedia presentation or notebook which narrates and illustrates (pictures) of the members experience in each phase of the service learning model. See instruction sheet for details.

60. **Interior Design Project Portfolio** A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

### 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 and fabric.

#### Level 1 (Ages 9-10)
Project must have at least 2 of the skills required for the HTDC level 1 project work.

61. **Simple Sewn Stuffed animal, doll or puppet**

62. **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.

63. **Textile Fabric Creation:** Simple weaving (beading or textile), latch-hook, braiding, macramé, knitting, crochet, felting or basket weaving. Judged on the creativity and finished textile. “Textile” defined as any woven, looped or felted thread or fibers. Finished product no larger than 16” x 16”. Edge should be appropriately finished or the piece can be mounted/framed.

64. **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.

65. **Hand Pieced or Hand Appliquéd Block** – no larger than 16” X 16”. Edges should be finished or the piece can be framed. No quilting on the finished piece.

66. **Needle Art by Machine:** Simple embroidery, cross stitch/decorative stitches or applique applied to towel, pillowcase or small decorative item.

67. **Machine Pieced or Appliquéd Block** – no larger than 16” X 16”. Edged should be finished or the piece framed. No quilting on the finished piece.

68. **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)
Project must have at least 2 of the skills required for the HTDC level 2 project work.

69. **Stuffed animal, doll or puppet** with hand and machine stitching.

70. **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.

71. **Textile Fabric Creation:** Weaving (beading or textile), latch-hook, braiding, macramé, knitting, crochet, felting, needle punch, basket weaving and/or a combination of these techniques to create a textile. Judged on the creativity and finished textile fabric produced. Edge should be appropriately finished or the piece can be mounted/framed.

72. **Needle Art by Hand:** 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.

73. **Hand Pieced or Hand 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.

74. **Needle Art by Machine:** embroidery, cross stitch/decorative stitches, or applique applied to garment, home accessory or picture.

75. **Machine Pieced or Appliquéd Item** – Focus on the creation of a fabric/textile. No quilting on the finished piece. Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.

76. **Repurposed Textile Creation:** Item made from repurposed or non-traditional textile material which can be worn/carried or used in the home.

77. **Textile Design Portfolio** – A notebook with three sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See instruction sheet for details.

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

78. **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)

79. **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.

80. **Textile Fabric Creation:** Weaving, braiding, knitting, crochet, felting, hand spinning, cotton linter, tatting, any other similar item not stated and/or a combination of these techniques to make an original fabric/trim. Fabric and/or trim must be made into a finished product. Judged on creativity and finished product.

81. **Needle Art by Hand:** Hand embroidery: 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.
82. Hand Pieced and/or Hand Appliquéed Item finished with Hand quilting. Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.
83. Needle Art by Machine: Original free motion or modified commercial embroidery design, cross stitch/decorative stitches, Trapunto quilting or applique applied to garment/accessory, home accessory, picture, wall hanging or blanket/quilt.
84. Machine Pieced and/or Appliquéed Item finished with Machine Quilting. Quilting must be done by the exhibitor. Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.
85. 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.
86. Textile Design Creative Component – “Leadership”: Develop and present a lesson to teach an Apparel, Interior or Hobbies Design and Construction workshop. Exhibit will consist of a multimedia presentation or notebook that includes documentation of workshop - lesson plan, handouts, photo’s, program, digital presentation, etc. See instruction sheets for details.

**SECTION 307**

**4-H BABYSITTING/CHILD CARE**

Refer to member and leader guides for ideas. A county may enter one exhibit in each class. Individual 4-H member can enter one exhibit per class in appropriate age groups. Please reference the State 4-H Website [http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/4HBabysittingChildCareProjectUnitOne.pdf](http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/4HBabysittingChildCareProjectUnitOne.pdf) for literature listed below.

**Unit One (Ages 9-13)**

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 developmental 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. Do not indicate that a puzzle is for boys or girls only. See Unit One, page 12. 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, appliques, magazine pictures or reassembled from other books. See No. 707, Books for Children. Do not confuse with Class I, Baby Book.

6. Surprise Suitcase - Fill suitcase with homemade or store bought items for children you babysit. Could include books, puzzles, games, play dough, balls, costumes. Indicate appropriate age child to use each item. Include records of how children 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. Educational exhibits must fit 3’ x 3’ (width x depth) space, with sides extended. Exhibits must be free standing with sides attached. Poster must be constructed on poster board 14” x 22”. Posters and displays must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Text of posters and displays should be readable from at least 10ft. away.

All food products must be on a paper plate and in a sealed plastic bag.

4-H’ers may use recipes indicated in the food science 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 the screw bands at time of judging. Labels should be neat and plainly written.

FOOD PREPARATION EXHIBITS

LEVEL TWO - AGES 9-11
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
4. One-half loaf of any yeast bread (not a sweet dough) made by hand or in a bread machine
5. Three (3) yeast cinnamon rolls (no icing)
6. Three (3) rolled sugar-type cookies (no gingerbread recipes)

LEVEL FOUR - AGES 15 AND OVER
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 u
9. 10. n-iced shortener type cake (no angel food or chiffon)

PRESERVATION EXHIBITS

(Jar rings should be left on for display.)

Home canned food entries must be in standard jars made for home canning, with a raised pattern or lettering, clear, uncolored glass and two-piece lids.

LEVEL TWO - AGES 9-11
11. One pint or half pint jar of jam or jelly processed in boiling water canner
12. Two pieces of fruit leather
13. One pint or half pint of salsa/picante sauce

LEVEL THREE - AGES 12-14
14. One pint jar cucumber pickles or vegetable relish
15. One pint or quart of any single canned fruit (not pickled).
16. Dried Fruit (1/2 cup of a single dried fruit). Display in a sealed plastic sandwich/freezer bag.

LEVEL FOUR - AGES 15 AND OVER
17. One pint or quart jar pressure canned vegetables (no tomatoes or pickles)
18. One quart or one pint jar of plain canned tomatoes.
Pectin: Classic, Low No addition, soft spread entries must be prepared using lids and bands specially designed for home canning. In preserved in Ball® Jars sealed with Ball® Lids and Bands.

Vegetable, Pickle, and Soft Spreads canning enthusiasts. An award for 1st place will be presented to the individual whose home canned entry is selected as the best in the category.

A panel of judges will select the best entry for Fruit, Vegetable, Pickle, and Soft Spread categories. Entries must be preserved in Ball® Jars sealed with Ball® Lids and Bands especially designed for home canning, or preserved in Kerr™ Lids and Bands specially designed for home canning. In addition, soft spread entries must be prepared using Ball® Pectin: Classic, Low No-Sugar or Liquid. Proof of pectin purchase in the form of a receipt or product UPC must be submitted with entry.

Entries from each category honored with a First Place award will receive:

- One (1) Five-Dollar ($5) Coupon for Ball® or Kerr™ Fresh Preserving Products and
- One (1) Free (up to $6 value) Coupon for Ball® Pectin

**FOOD SCIENCE & NUTRITION POSTER & EDUCATIONAL DISPLAYS**

Posters and Educational Displays must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Text of posters and displays should be readable from at least 10 ft. away. Posters size is 14” x 22”, Educational Displays 3’ X 3’ (depth x width) and self-standing.

**DIVERSITY EXHIBITS**

**LEVEL TWO - AGES 9-11**
19. Educational poster based on breads OR cheeses of another country or countries.

**LEVEL THREE & FOUR - AGES 12 & Over**
20. Educational poster based on the foods from another culture. Can be based on a cultural celebration.

**NUTRITION EXHIBITS**

**LEVEL TWO - AGES 9-11**
21. Educational poster based on recipe modification for healthier eating

**LEVEL THREE - AGES 12-14**

**FOOD OR KITCHEN SAFETY EXHIBITS**

**LEVEL TWO - AGES 9-11**
24. Educational poster based on food or kitchen safety

**LEVEL THREE - AGES 12-14**
25. Educational poster based on protein food safety

**LEVEL FOUR - AGES 15 AND OVER**
26. Educational poster based on outdoor cookery or grilling

**OTHER EXHIBITS**

**LEVEL TWO - AGES 9-11**
27. Educational poster illustrating a place setting for a specific occasion or menu

**LEVEL THREE - AGES 12-14**
28. Educational display based on a breakfast bread buffet theme. Should include menu, buffet layout, decorations, invitations, and any additional information

**LEVEL FOUR - AGES 15 AND OVER**
29. Educational poster based on careers in the food industry.

**CAKES - YOUTH DIVISION**

28. Decorated Cakes (Judged on decoration only; can be any size or shape. Work done by youth only!!) Cakes DO NOT go to Tulsa State Fair.

**CUPCAKE DECOATING**

Three (3) decorated cupcakes all with the same theme. Judged on decorations and not the cake.

29. Sports Theme Cupcakes
30. Floral Theme Cupcakes
31. Holiday Theme Cupcakes

In addition to regular prizes for the cake decorating categories, Wilton Enterprises will award one Best of Class prize of a Color Right Food Coloring System and Quick Tips Guide and a Runner Up prize of a Quick Tips Guide.
SECTION 309
4-H PERSONAL DEVELOPMENT

NEW curriculum for these projects can be found on-line at http://4h.okstate.edu/literature then look for Personal Development literature. Each of the following projects will be found in the new “Picture Perfect YOUTH Manuals.”

Beginner Level (ages 9-11)

1. My Short Term Goals Poster - Let’s Take a Goal Setting Ride, pg 7
2. Hello to the House Poster – Who am I? Who are YOU? pg 32
3. That’s Write! Poster – Manners Matter: That’s Write!, pg 41. The Thank You note subject for 2017 entry is: Your favorite elementary school teacher, Mrs. Jan Brown, sent you a graduation card which included a $50 check. You plan to save the money for college.
5. Emergency Preparedness Kit – Safe in My World, pg 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 – Solutions for Problem-Solving, pg 16
10. Leadership Banner Poster – Modeling Leadership, pg 58
11. My Thumbprint of Character Poster – I.D. Good Character, pg 79
12. Cyber Space Safety Board Game - Cyber Space: Keep It Safe, pg 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 – Be SMART About Goals, pg 15

Creative Writing Poster: Communicating Well with Others, pg 34
17. Teambuilding Game Display – Towering to Success, pg 53
18. My BEST Marketable Skills Display – Making your Mark!, pg 73
19. Vehicle Emergency Kit – Destination Safe, pg 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

This exhibit consists of postmarks, not stamps. Exhibits may be illustrated. All postmarks 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 of objective of your collection.

NOTE: Metered postage marks must not be used in non-metered exhibits and non-metered postage marks in metered classes.

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

Beginning Level (Ages 9-11):
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 cancelled
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 (ages 15 and over):
10. 100 or more hand cancelled postmarks
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
SECTION 311
4-H ELECTRIC EXHIBIT

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 one (1) exhibit in each class. Exhibits should be permanently signed and dated on the bottom or in an inconspicuous location. If not marked judges may mark or punch.

1. Electric projects (ages 9-11).
   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 and Electronic Circuits - Ages 9-11
   The exhibit should be mounted on a board and clearly show all circuits. The exhibit should be operational and demonstrated a useful principle or be functional. Include an explanation of the principal being demonstrated.

6. Electric and 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. 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. 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. Electric Concepts Poster – (ages 9-11) – Poster (14”x22”) 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
MODEL ROCKETRY

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 1/4” 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 permanently signed and dated in an inconspicuous location. If not marked the judging committee may mark or punch exhibit.

Attach a 3”x5” 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

Junior Division (ages 9-13)

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 and 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 WOODWORKING EXHIBITS

The wood science exhibits 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 project idea sheets. It must be proportional and functional and include the same techniques as the listed classes. 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 only one exhibit per class and is restricted to exhibits designed for his or her age group. Wood Science exhibits should be permanently signed and dated in an inconspicuous location. If not marked, judge may mark. Junior is 9-13 years of age; Senior is 14 years and older.

**WOOD SCIENCE**
1. Jr. Wood Carving Article  
2. Sr. Wood Carving Article  
3. Jr. Woodcraft ---- Original design  
4. Sr. Woodcraft ---- Original design

**Beginning Level (ages 9-11)**
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, cost sheet, and description of process used  
13. Miscellaneous

**Advanced (ages 15 and 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, cost sheet, and description of process used.

**METALWORK**
20. Sr. Metalwork – Embossed, tooled, etched  
22. Sr. Metalwork – Soldered  
24. Sr. Metalwork – Arc Welding  
28. Sr. Metalwork – Free Hand Plasma Cutting  
30. Sr. Metalwork – Computer Aided Plasma Cutting

**SECTION 314**  
4-H SHOOTING SPORTS

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 and 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 stocks, decoys and equipment.

All exhibits will be judged on the basis of instructions and standards explained in the Oklahoma “S01: 4-H Shooting Sports Exhibit Preparation Guidelines/Leaders/Members Guide” #690 (1/2007) which is available through the County Extension Office and on the Oklahoma State 4-H Website in “Literature on-line” [http://4h.okstate.edu/literature-links/lit-online/others/shooting](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 poster should be readable from at least 10ft. 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.

**Junior Division (ages 9-13)** 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 related 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 4H member. Full taxidermy style mounts will not be accepted due to limited space)  
8. LIVING HISTORY: any related item made

**Senior Division (ages 14 and 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 related item made  
   (May include tanned hides, dried and mounted wings, cleaned skulls or other wildlife parts preserved by the 4-
18. LIVING HISTORY: any related item made.

SECTION 315
ENTOMOLOGY – 4-H INSECT EXHIBITS

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 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.

Exhibit collections for classes 1-5 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/.

1. First Year - The exhibit shall consist of 25 adult insects (representing at least 5 orders) which are displayed in a Folding Insect Storage Box 9”x13”x2.5”. 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. Second Year - The second year exhibit shall consist of 40 adult insects (representing 8 to 10 orders) which are displayed in the insect display box as indicated above.

3. Third 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. Fourth 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. Fifth Year and 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 first through fifth 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.

4-H HONEY EXHIBIT

Only one exhibit allowed in each class per individual. 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. Jar covers should be new if possible and should be screwed on tightly to prevent leakage. There should be 1/4”-1/2” air space below the lid.

Honey should be clear and free from foreign particles. Chunk honey should be perfectly capped, free from stains, bee-bread 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 the bottom to the top without jamming.

Labels should be neat and plainly written or printed.

7. Comb Honey, one pint jar

8. Extracted Honey, one pint jar

SECTION 316
4-H FORESTRY

A member may enter one exhibit per class but is restricted to only those exhibits designed for his or her age group.

Forestry boards and exhibits must be signed and dated on the back by the exhibitor. Two holes ½ inch in diameter and 1 inch from top should be drilled in the wood board to facilitate displaying the exhibit.

TREE LEAF EXHIBIT

NOTE: Exhibits in classes 1-3 must conform to all requirements, including labeling and display requirements, outlined in 4-H fact sheet #236. “Collecting and Exhibiting Tree Leaves” (revised 9/2007) http://4h.okstate.edu/literature-links/lit-online/environmental-science/forestry1.

1. Ages 9-11. 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 and 28” tall.
2. **Ages 12-15.** 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 from at least one species.

Exhibit must be properly labeled and displayed on board 28” tall and 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. **Ages 9-11 years.** The exhibit shall consist of six (6) wood samples (3 hardwoods and 3 softwoods) mounted on plywood ¼” thick x 22” wide x 20” high.

5. **Ages 12-15 years.** The exhibit shall consist of eight (8) wood samples (4 hardwoods and 4 softwoods) mounted on plywood ¼” thick x 22” wide x 20” high.

6. **Ages 16 years and over.** The exhibit shall consist of eight (8) wood samples (4 hardwoods and 4 softwoods) each of which shows the end, edge, and surface grain displayed on a board ¼” thick x 22” wide x 20” high.

**SELF-DETERMINED EXHIBIT**

**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) 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. If display not to exceed 36” x 36” (depth x width) of poster not to exceed 14” x 22”.

7. Self-determined Exhibit - Ages 9-13

8. Self-determined Exhibit - Ages 14 and Older

**SECTION 317**

**4-H GEOLOGY**

Any eligible 4-H member may participate in collecting, identifying, and preparing rock-mineral-fossil 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 –

- 15 different unpolished rocks, minerals, or fossils collected in Oklahoma
- 30 different unpolished rocks, minerals, or fossils including specimens of sedimentary, igneous and metamorphic.
- Open class – Education exhibit depicting some phase of geology, testing of minerals, polished rocks, etc. (Display should not exceed 24”x24”)

**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. 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 x depth) when sides are extended.

**Junior Division (Ages 9-12)**

1. 4. Poster on well safety.
2. 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.
3. 6. Energy/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 a 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 encouraged to a) use their 4-H projects as the basis for their scientific research and discover; 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; and e) use written and visual communication skills.

SECTION 318
4-H WILDLIFE PROJECTS

Only one exhibit allowed in each class per individual in their respective age category. All exhibits will be judged on the basis of instructions and standards explained in the “4-H Project Wildlife Exhibit Preparation Guidelines (#720 revised 12/06). This and 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

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 as 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 and 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 9-13)
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 of 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 x 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 (30) plants known to furnish food or cover for wildlife, mounted on food and cover cards or (B) a seed board with (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 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’ (width x depth). 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.

4-H FISHERIES

Junior (ages 9-13)
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 cut-out 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, 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. Posters must be 14” x 22”.

Senior (ages 14-18)
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 in and cost to purchase or make.
15. 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. Posters must be 14” x 22”.

4-H BIRD

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 NREM 622 “I Think It Is A...” (#622 contains a list of additional resources).

These and 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 9-13)
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 will 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.

20. Observation report for Bird Feeder used during previous year, including photo of feeder at location used (report #723 found on OK Lit. On-line under Wildlife & Fisheries. May use feeder constructed a purchased feeder.
21. Observation report for Bird House used during previous year, including photo of feeder at location used (report #724 found on OK Lit. On-line under Wildlife & Fisheries). May use birdhouse constructed or a purchased house.

Senior (ages 14-18)
22. Bird habitat improvement exhibit. Notebook of pictures or drawings explaining how exhibit 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 Lit. Online under Wildlife Fisheries, “Birds and Nest Observation”#772; “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. Posters should be hand generated and not down loaded from internet or computer.

“Wildflower 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-online/environmental-science/wildlife-and-fisheries. Please print form on card stock or heavy paper and hole punch.

Junior (ages 9-13)
25. Collection of eighteen (18) Oklahoma wildflowers properly pressed and mounted on wildflower cards. Label with common name flower family 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 displayed 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 notebook on card stock pages or wildflower cards (Lit # 718).

Senior (ages 14-18)
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 wild flower seed that show various adaptations to dispersal by wind, water, birds and mammals.

32. Special collections. Collection 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” or displayed in a notebook on card stock pagers 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/Member Guide” (revised 12/06) for guidelines.

SECTION 319

4-H ENVIRONMENTAL STEWARDSHIP

A 4-H member may enter one exhibit per class, but is restricted to those exhibits designed for his or her age group. Exhibits will be judged based on the criteria outlined in the 4-H project fact sheets available from the County Extension Office. Text of posters should be readable at least 10ft. 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. Posters must be 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 9-13)
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 zip-lock bag or pint jar with lid must be included.

2. Exploring Streams and Lakes Poster (ages 9-13)
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 9-13)
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. # 21or 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 9-11) (14” x 22”) showing or describing the source of your water (lake, aquifer, private well) and/or what is done to it (water treatment plant, in home filtration system) before it gets to your home. See Lit # 19 “Water Quality of Stream” for ideas.
5. **Natural Resources of My County Poster** (ages 9-13) 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 should be at least 1 inch tall and include name of your county.

6. **Recycled Item** - useable item made from trash other than craft type item. Original ideas and useful items will be ranked higher. (ages 9-11) Attach 3” X 5” card listing all materials used.

7. **Aquatic Habitat Poster** (ages 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 tongs, deep water samplers, and kick nets. See TV A 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” X 22”) 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 be ranked higher (Ages 12-14). Attach 3” X 5” card listing all materials used.

11. **Natural Resources of My County Poster** (ages 14-18) 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 14-18) (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 14-18) 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 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 one page report explaining its purpose and how to use it. Some possibilities include Secchi disks, plankton tongs, deep water samplers, and kick nets. See TV A 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 14-18) Display showing how landfills work. Display must fit a space that is 3’ by 3’ (width x depth) 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 be ranked higher (Ages 15-18) 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, extent to which objectives were achieved, knowledge gained, significance of the project to the environment in the community, and number of people involved in 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 runoff 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 320
4-H CROPS

If anyone is interested in this section, let your Extension Office know and they will give you copy of the guidelines and classes.

SECTION 321
FORAGE FOR LIVESTOCK & WILDLIFE

If anyone is interested in this section, let your Extension Office know and they will give you copy of the guidelines and classes.

SECTION 322
4-H HOME GARDENING

ALL HOME GARDENING ENTRIES WILL BE DONATED TO LOCAL CHARITY AT THE TULSA STATE FAIR. IT WILL NOT BE DISPLAYED.

Display on paper plates.

1. Potatoes, yellow, white or russet, 3 specimens
2. Potatoes, red, 3 specimens
3. Okra, 6 pods
4. Onions, yellow, 3 specimens
5. Onions, white, 3 specimens
6. Onions, red, 3 specimens
7. Pumpkin, field type (oblong), 1
8. Pumpkin, Jack-o-Lantern (round and flat), 1
9. Squash, winter, acorn, 1
10. Squash, winter, butternut, 1
11. Squash, winter, other
12. Eggplant, 2 specimens
13. Squash, summer, zucchini, 2 specimens
14. Squash, summer, yellow straight neck, 2 specimens
15. Squash, summer, yellow crook neck, 2 specimens
16. Squash, summer, patty pan (scalloped type), 2 specimens
17. Sweet potatoes, (any variety), 3 specimens
18. Pepper, jalapeno, 5 specimens
19. Pepper, other hot pepper, 5 specimens
20. Pepper, sweet bell pepper, 5 specimens
21. Pepper, banana pepper, 5 specimens
22. Tomatoes, large type, 5 specimens
23. Tomatoes, cherry type (1 1/2" or less in diameter), 5 specimens
24. Watermelon, oblong type, 1
25. Watermelon, round type, 1
26. Watermelon, small icebox, 1
27. Red apples, plate of five
28. Yellow Apples, plate of five
29. Pears, plate of five

HOME GARDEN FOOD BASKET

This exhibit is a quality selection of five to nine species of mature fruits and/or vegetables from the exhibit list above, items not listed 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 and vegetable for the judge to determine quality. 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, with the exception of cantaloupe. 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 materials of specimens can be utilized as part of the exhibit.
30. Junior Division, (ages 9-13)
31. Senior Division, (ages 14 and over)

SECTION 323
4-H HOME GROUNDS

If anyone is interested in this section, let your Extension Office know and they will give you copy of the guidelines and classes. This section does include Herbarium Cards.

SECTION 324
4-H HORTICULTURE

TERRARIUM

Terrarium of plant life. Refer to OSU Fact Sheet No. F-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, (3) attractiveness and originality, (3) 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.
1. Ages 9-11
2. Ages 12-14
3. Ages 15 and over

Dish Garden of plant life. A 4-H/OSU Fact Sheet is currently in production. Until it comes available refer to 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)
appreciate size of plants for container. Dish Gardens may feature succulents, carnivorous plants, or foliage plants. They should feature at least 3 different species of plants.

4. Ages 9-11
5. Ages 12-14
6. Ages 15 and over

Horticulture in Our Lives Poster Exhibit
Poster must be 14” x 22” and permanently signed and dated on the back prior to laminating. 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

10. Ages 9-11
11. Ages 12-14
12. Ages 15 and over

Pecan Information Exhibit
The exhibit should consist of an educational exhibit that will fit a 3’ wide x 3’ deep area. It must be free-standing with sides attached. A notebook should be included in the display.

The exhibit should provide information about the pecan industry such as history, importance to state, health benefits & nutrition, uses, production, processing, storage requirements or other topics pertaining to pecan.

The exhibit should increase the public awareness of the importance and impact of the specific sector of the pecan industry. The notebook should include any involvement the exhibitor has had with teaching others, giving talks or demonstrations, preparing pecan foods, planning programs, producing pecans, field trips, etc.

The notebook may be typed or handwritten and should include pictures.

Criteria for judging: 30 points completeness of educational lesson; 30 points public appeal; 40 points notebook.

19. Jr. Division (ages 9-13)
20. Sr. Division (ages 14 & over)

SECTION 325
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 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.

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 referencing sources” section at opening of 4-H division.

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. Posters may be horizontal or vertical. Text of posters should be readable from at least 20 ft. away.

1. Jr. (ages 9-13)
2. Sr. (ages 14 and 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 ft deep and 4 ft. wide (with sides extended for display.) Back can be 4 ft. 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 9-13)
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 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.

6. Jr. (ages 9-13)
7. 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”x5” and no larger than 5”x7”. 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 no larger than 10”x10”. Captions are optional, but not required. Photos are to be taken by exhibitor.

8. Jr. (ages 9-13)
9. 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 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.

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 – clearly labeled as such. Judging emphasis will be place on the current year’s work.

10. Sr. (ages 14 and over)
**Other Companion Animal Items Exhibits** 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, photo, displays and journals are not allowed in this category.

11. Jr. (ages 9-13)
12. Sr. (ages 14 and over)
2017 ATOKA COUNTY FAIR
POULTRY AND RABBIT SHOW

All poultry exhibited in Oklahoma must pass a pullorum-typhoid blood test in order to show at any County Fair. Poultry must either come from certified pullorum free flocks or be blood tested at the County Fair showing they are free from the disease. At the Atoka Fair, poultry will be blood tested on **Saturday, Sept. 16, 8:00am to 9:30 am**, as entries are brought.

A trained certified tester approved by the Oklahoma Department of Agriculture will do the testing. Any birds found carrying pullorum-typhoid must be removed from the Fair immediately and destroyed.

NEW!! Exhibitors must be present Saturday, Sept 16, 10:00 am, to present their animal to the judge for showing and judging. Poultry will not be judged if you are not present to show it!

All exhibits at the Atoka County Fair are entered and displayed at the risk of exhibitor. The Atoka County Fair Board and Atoka County OSU Extension Center staff will exercise due care to protect exhibits. However they cannot accept the responsibility for loss or damage due to conditions imposed by large crowds, the building in which exhibits are housed, space available for exhibits, or the exhibit not being picked up at designated times. If the exhibit has a lot of sentimental and/or monetary value, the exhibitor should consider whether such exhibits should be exposed to hazards of the Fair.

The **$3.00 per bird or rabbit** entry fee covers the cost of the testing and prizes.

**Rabbits and poultry do not go on to Tulsa State Fair!!!**

**4-H and FFA DIVISION**
1. **$3.00** per exhibit entry fee payable at entry time.
2. To enter 4-H and FFA Division, a boy or girl must be ages 9-19 by fair time.
3. All poultry and rabbit exhibits must be made between **8:00 am and 9:30 am on Saturday, Sept. 16** at the Atoka County Fair Barn.
4. Cages will be furnished on a first come, first serve basis. Space is limited.
5. Poultry and rabbits must be free of disease and parasites. Any sick or objectionable bird or rabbit will be removed from the show.
6. Poultry and rabbits must be owned by exhibitor.
7. Poultry will be judged according to the American Standard of Perfection.
8. Poultry and rabbits are all shown as individual exhibits.
9. All poultry and rabbits will be fed and cared for by the exhibitor, and their premises kept clean at all times.
10. Each 4-H and FFA exhibitor may exhibit not more than 4 rabbits.
11. Each exhibitor may not exhibit more than 20 birds, (Either bantams and/or standard chickens.)
12. All rabbits and poultry **MUST BE PUREBRED!**
13. Poultry will be classified as to breeds.
14. Game exhibitors may show male or female birds.

**OPEN CLASS - For adults and youth not in 4-H & FFA.**
1. **$3.00** per exhibit entry fee payable at entry time.
2.
3. Open Class exhibitors must be a resident of Atoka County.
4. All the 4-H and FFA rules apply to Open Class, except No. 2.
5. 4-H and FFA members may not exhibit in Open Class.
6. Game exhibitors may show male or female birds.

**Be sure all poultry and rabbits are out of the barn by 1:00 pm Saturday, Sept 16. There will be no one at the barn to safe guard the animals after 2:00 pm on Saturday!!!**