

4-H CLUB EXHIBITS AND CONTEST

Superintendents

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ELIGIBILITY OF 4-H MEMBERS

1. Exhibition in this department is limited to Oklahoma 4-H members who have been enrolled and actively participating in the program for a minimum of 30 days prior to this State Fair, and who meet the following requirements.
2. Each county must enter and exhibit all members' entries in sections 300-325 and 327 at the one State Fair they designate. Unless the State 4-H Office is notified by July 1, it is understood that the county will exhibit at the same State Fair as in the previous year.
3. All 4-H exhibits must be entered by County Extension Educators.
4. Members should be enrolled in the project area to exhibit.
5. The 4-H member should enter the class that matches his/her 4-H age. (Age before January 1 of the calendar year.)
6. All exhibits must have been made and completed by the exhibitor during the last year, and cannot be entered more than one time, except for classes which are collections that are added to in successive years.
7. For each class, entries are limited to one per individual and also one per county. For other pertinent information relative to project being exhibited, refer to the specific sections, classes, and respective project curriculum.
8. 4-H members who enter crops and horticulture must be able to prove that such crops entered in his/her name were produced by the member during the current year.

RESPONSIBILITY FOR EXHIBITS

4-H exhibits at the Tulsa State Fair are entered and displayed at the risk of the exhibitor. The 4-H Program of Oklahoma State University, in cooperation with the Board of Directors, Tulsa State Fair, accepts exhibits and will exercise due care to protect them. However, neither the 4-H Program nor Tulsa State Fair can accept responsibility for loss or damage due to the conditions imposed by large crowds, the arrangement of the buildings in which exhibits are housed or the large number of exhibits. Members who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the Fair.

RELEASING OF EXHIBITS

Exhibits in the 4-H building will be released between 10:00 a.m. - 4:00 p.m. Sunday, October 8. Exhibits must be carried out during this release time. Larger exhibits requiring a trailer or pickup may make special arrangements before or after fair hours. **ALL EXHIBITS MUST BE OUT OF THE BUILDING BY 4:00 p.m.** All premium money earned will be paid to the County Extension Office not the individual student. All Counties participating in the contest must provide a tax identification number in order for the premiums to be paid to the County.

COPY WRITTEN MATERIAL AND REFERENCING SOURCES

All 4-H exhibits should be the original work of the 4-H member. When information is taken from books, publications, magazines, or from the internet it should be expressed in the 4-H members own words. The 4-H member must reference the source of the information by using an asterisk (*) or a number (if more than one) and the name of the source at the end or bottom of paper, poster, or educational display, following 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, professional photographers, 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 and the source. If an item (picture, photo drawing, illustration, etc.) that is not protected is used its source must be cited and referenced by using an asterisk (*) or number and the source information placed at the end or bottom of paper, poster, or educational display, following an asterisk or corresponding number.

EDUCATIONAL DISPLAYS

All educational displays must have stable, free-standing backs with sides attached. This includes Sec. 301 and educational displays in specific project areas. See class description for size requirements. Educational displays must be 3-dimensional.

NOTE: The sizes indicated in specific classes is the maximum table space allowed when sides are extended. First Place Educational displays will be exhibited. Subsequent placing displays will be displayed as space allows.

Do not include valuables, food items that will spoil or potentially harmful products (such as aspirin, cleaning products, chemicals, etc.) in any educational display. Neither the Tulsa State Fair nor the 4-H Program can accept responsibility for loss of valuables. Potentially harmful products will be discarded. Text of display should be readable from at least 10 feet away.

POSTERS

For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Posters must be signed and dated on the back with a permanent marker before laminating. If not marked the judging committee may mark or punch. All posters must be flat (no 3-dimensional posters). Text on posters should be readable from at least 10 ft. away.

NOTE: Posters in section 300 MUST include the 4-H Clover or mention 4-H. Posters in other sections/classes are encouraged to but are NOT required to include the 4-H Clover or mention 4-H unless requested in section/class description.

SIGNING AND DATING EXHIBITS

Exhibits should be permanently signed and dated, in an inconspicuous location, if material permits. Some exhibits that should be signed and dated are posters, most expressive arts including fine art, ceramics, woodworking and woodcrafts, herbarium cards, seed boards, forestry exhibits and model rocketry. Judge or judging committee may permanently mark exhibit with fair and year (for example: TSF 2017), if not signed and dated. Effort will be made to mark in an inconspicuous place.

REQUIRED TRADEMARK DESIGNATION FOR USE OF 4-H CLOVER

When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, unless poster and clover are hand drawn. For more information on proper use of the 4-H clover please refer to <http://4h.okstate.edu/educators/4-h-name-and-emblem>

DISPLAY OF EXHIBITS

Only 1st through 5th place exhibits will be exhibited or as space allows with the exception of educational display. Educational displays will be displayed at the discretion of the Fair committee.

SCHEDULE OF 4-H ACTIVITIES

Tuesday, September 26

7:30-10:00 a.m. 4-H Exhibits Accepted
10:30 a.m. All exhibits must be in place
10:30 a.m. Chairmen Orientation
11:00 a.m. Judging of all 4-H exhibits

Sunday, October 8

9:30 a.m. Check-in-Dog Obedience Trials – Ford Truck Arena
10:00 a.m. 4-H Dog Show, Obedience, and Rally – Ford Truck Arena

4-H Exhibits will be released October 8, between 10:00 a.m. - 4:00 p.m. All exhibits must be out of the building by 4:00 p.m.

ENTRY SUMMARY INFORMATION

SECTION #	EXHIBIT	LIMIT PER COUNTY	LIMIT PER INDIVIDUAL
Communications and Expressive Arts Division			
300	Poster Art	one per class	one per class
301	Educational Display	one per class	one per class
302	Photography	one per class	one per class
303	Expressive Arts	one per class	one per class
Science and Technology			
304	Technology Exhibits	one per class	one per class
305	Science Discovery Projects	one per class	one per class
Consumer/Family Sciences Division			
306	Fabric & Fashions	one per class	one per class
307	Child Care/Babysitting	one per class	one per class
Health/Lifestyle Education Division			
308	Food Science		
	Preparation & Preservation	one per class	one per class
	Posters & Ed Displays	one per class	one per class
Personal Development and Leadership Division			
309	Personal Development	one per class	one per class
310	Postmark	one per class	one per class
Science and Technology Division			
311	Electric	one per class	one per class
312	Model Rocketry	one per class	one per class
313	Wood Science/Industrial Arts	one per class	one per class
Environmental Education and Earth Sciences Division			
314	Shooting Sports	one per class	one per class
315	Entomology	one per class	one per class
316	Forestry	one per class	one per class
317	Geology	one per class	one per class
318	Wildlife	one per class	one per class
319	Environmental Stewardship	one per class	one per class
Plants and Animals Division			
320	Crops	one per class	one per class
321	Forage Plants	one per class	one per class
322	Home Gardening	one per class	one per class
<u>ALL HOME GARDENING WILL BE DONATED TO LOCAL CHARITY. IT WILL NOT BE DISPLAYED.</u>			
323	Home Grounds	one per class	one per class
324	Horticulture	one per class	one per class
325	Companion Animals	one per class	one per class
Personal Development and Leadership Division			
327	Hobbies and Collectables	one per class	one per class

FORMS DUE

Judging Team Entry
Application for Dog Trials

SECTION

294
326 (Dog Trials)

DUE DATE/PLACE

DATE, State Fair Office
DATE, Dog Show Sup.

SECTION 300 – 4-H POSTER ART EXHIBIT

Posters must be constructed on poster board, 14" x 22" (1/2 of a poster board). They may be horizontal or vertical. Posters may be produced by any medium — watercolor, ink, crayon, acrylic, charcoal, collage, computer, etc. Posters must be flat. Do not use 3-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 all posters 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. The text should be readable from at least 10 ft. away.

Each county is limited to one poster per class. 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.

NOTE: POSTERS IN THIS SECTION MUST INCLUDE 4-H CLOVER OR MENTION 4-H. When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, unless poster and clover are hand drawn. For more information on proper use of the 4-H clover please refer to <http://4h.okstate.edu/educators/4-h-name-and-emblem>

Ribbons will be placed on top ten in each class. Premiums will be paid on the top three places in each class as follows: 1st-\$7, 2nd-\$5, 3rd-\$3.

BEGINNER DIVISION (Ages 9-11)

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

ADVANCED DIVISION (Ages 15 and over)

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

SECTION 301 - 4-H EDUCATIONAL BOOTH DISPLAY

Each county is eligible to enter one educational booth per class. This must be an in-depth look at a 4-H project or projects. Space for the booth is 3 feet deep and 4 feet wide (with sides extended 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 of 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>

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.

Ribbons will be placed on the top 10 in this class:

CLASSES		
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.	\$75 \$50 \$35
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	\$30 \$25 \$20
3.	Display using the national campaign "4-H Grows Here".	\$30 \$25 \$20

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 unit 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" x 6" and no larger than 5" x 7" (except when panoramic prints are used) for all classes, except classes 5, 10, 14, 18, and 22 where prints may be up to 8" x 10". Prints should be printed on photo quality paper (not copy paper). Print quality is taken into consideration by the 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, or mat board. Photos will be disqualified if on regular printing paper or cardstock. No double matting, use of multiple layers or more than one color. The entire print must be seen and cannot be masked in any way. Boards must be 14" x 14" for all classes.

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). **AWARDS:** Ribbons will be placed on the top ten (10). Premiums will be paid on the top 3 places as follows: 1st-\$7, 2nd-\$5, 3rd-\$3.

PHOTOGRAPHY EXHIBITS **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 board must explain the ideas being illustrated.
18. Best individual photo made this year.

Level 3 Mastering Photography **All Ages**

*** For members who have advance 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, foam board or mat board 14" x 14".

23. Junior (9-13 years old)

24. Senior (14 and over)

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

25. Junior (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" x 14". Attach up to 1/2 page of written explanation of the alterations to the back of the exhibit. Trademarked images may 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 & Over

One exhibit per county per class. 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 2017), 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.

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st-\$7, 2nd-\$5, 3rd-\$3

CLASS

1. Jr. Fine Art — Pencil, Charcoal, pastel, chalk, ink
2. Sr. Fine Art — Pencil, Charcoal, pastel, 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 or on a potter's wheel
12. Sr. Pottery — Original design made from clay using a process of hand molding or on a potter's wheel
13. Jr. Print Process Article — Block printing and other printing methods.
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. Bead Craft Article
19. Jr. Leathercraft — Kit
20. Sr. Leathercraft — Kit
21. Jr. Leathercraft — Original Design
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> Ribbons will be placed on the top ten (10) in each class. Only 1st - 5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three as follows: 1st-\$7, 2nd-\$5, 3rd-\$3

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 11" or 8-1/2" x 14"). Flat flyers should be securely attached to an appropriately sized poster board.

1. Junior

2. Senior

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

3. Junior

4. Senior

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. 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.

5. Junior

6. Senior

Digital Media – Submit a video (maximum of 3 minutes) and movie style poster. Poster (14" x 22"- 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. Junior

8. Senior

Global Positioning Systems (GPS)/Geographic Information Systems (GIS) Exhibits. 4-H Youth will learn about Geographic Information Systems (GIS) concepts by collecting data on a location, describing the attributes. Youth will learn about geospatial technology applications and future career opportunities by working with local government agencies and project partners in their own communities. Increased youth involvement in community service and awareness projects that impact local communities by enhancing economic and community development. The 4-H GPS/GIS exhibits will be judged in two age groups. Juniors ages 9-13 years old and Seniors ages 14 & over. Every exhibit must be labeled on the back with the following information: Name, Club, County, Age before 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" x 22". Displays must be free standing and not be larger than 3'X3' (width x depth) with sides extended for display. Placing ribbons will be awarded to the top ten in the following classes. Premiums will be paid on the three exhibits.

Poster showing the parts of a GIS map with 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).

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

19. Junior
20. Senior

Club or County Mapping Project Display

21. Display must be free standing and are limited to 36" x 36" (width x depth) when sides are extended. Commercially available "Science Fair Presentation Boards" are encouraged. It should show and explain the project in detail including printouts of maps, pictures of the project being done, who was collaborated with, and how the project results have and will be utilized. Exhibit must be labeled on the back with the following information for all participating members: Name, Club, County, Age before January 1 and date of 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 years old and Seniors 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.

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, and other pertinent information.

Each exhibit should have a one page report explaining the function, purpose and construction of the robot.

Displays must be free standing and are limited to 36" x 36" (width x depth) when sides are extended for display.

Placing ribbons will be awarded to the top ten in the following classes. Premiums will be paid on the top three exhibits.

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 I. Attach a 3 x 5 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 3 X 5 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.usc.edu/~gould/ScienceFairs/>

Information about Oklahoma Science Fairs - <http://osfef.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. Ribbons will be placed on the top ten (10) 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 fair committees' discretion.

Premiums will be paid on the top three as follows: 1st-\$7, 2nd-\$5, 3rd-\$3

CLASS

1. Beginning Division (9-11 years old) - A display illustrating the project.
2. Intermediate Division (12-14 years old) - A display with an accompanying report of approximately two typewritten pages.
3. Advanced Division (15 and older) - A display and a written report about the project that includes an interview with a scientist or someone who works in the area that is being studied. Reports should be three to five pages in length.
4. Team Exhibit (All Ages) - Team may include a maximum of three members. - A display and a written report about the project. It is recommended that it includes an interview with a scientist or someone who works in the area that is being studied. Reports should be three to five pages in length.

SECTION 306 – 4-H FABRICS AND FASHIONS (DESIGN AND CONSTRUCTION)

The Skill Mastery sheet <http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/fabric/skill-mastery-sheets> is an education tool to guide project construction for fair exhibits. The projects have been carefully selected and directed for members to investigate and learn specific skills and information. The end product is being evaluated on the skills "you learned," as identified on the age appropriate skill sheet. It is encouraged that the sheet be submitted with the exhibit with the exception of the story board, portfolio and creative components. The intent is that the sheet serves as a "personal reflection" which shows the judge how much you really learned. Why? Because in 4-H, reflection and application are just as important as the end product. Sheets will not be displayed and will be returned. Not because the sheet is not important, but to simplify displaying.

Use the skill sheet as a planning tool. Ask yourself, "What skills are necessary to learn and appropriate to apply to my project's design and construction?" It is important 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 <http://4h.okstate.edu/literature-links/lit-online/family-consumer-science/fabric> **Family and Consumer Sciences** for guidance. 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 <https://www.facebook.com/pages/OK-4-H-Fabric-and-Fashions-QA/700780739954148>

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

A county may enter one exhibit in each class.

A 4-H member may enter one exhibit per class.

Hangers will not be returned.

Competitive Classes

Placing ribbons will be given to the top ten in the following classes. Premiums will be paid on the top three exhibits in these classes as follows: **\$7, \$5, \$3**

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.

01. **Simple Tops** (shirt, tank top, t-shirt, vest, poncho, any other similar item not stated)
02. **Simple Bottoms** (shorts, capris, pants, skirts, any other similar item not stated)
03. **Non-human Apparel** (doll clothes, pet or livestock garment, any other similar item not stated)

04. **Sewn Fashion Accessory** (sewn hats, scarves, bag, wallet, string-pack or textile based jewelry, any other similar item not stated)
05. **Knitted/Crocheted Yarn/Thread Fashion Accessory** (knitted/crocheted hats, scarves, bag, wallet, string-pack, or textile based jewelry, any other similar item not stated)
06. **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.
07. **Apparel 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 2 (Ages 11-12)

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

08. **One piece garment with facing** (robe, jacket, dress, jumpsuit, shooting vest, any other similar item not stated)
09. **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, accessorizes, 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. **(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.

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. **(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.

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 two 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. **(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.

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 sheets 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 Appliquéd 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 Appliquéd 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.

Level 4 (Ages 15 and up)

Project must have at least 2 of the skills required for the HTDC level 4 project work.

87. **Stuffed animal, doll or puppet** with multiple (more than 2) hand and machine sewing techniques (i.e. facial features, hair, movable parts, fake fur, clothing or any other similar item not stated).

88. **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.

89. **Textile Fabric Creation:** Two or more textile design techniques used to create an original “fabric.” Fabric and/or trim must be made in to a finished product. Judged on the creativity and finished product.

90. **Needle Art by Hand:** Hand embroidery: floss, yarn (crewel) or ribbon, counted cross-stitch, needlepoint needle punch or unspecified hand technique applied to garment/accessory, home accessory, picture, wall hanging or blanket/quilt.

91. **Hand Pieced and/or Hand Appliquéd Item with Hand quilting.** Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.

92. **Needle Art by Machine:** Free motion embroidery and/or original cross stitch/decorative stitches or applique applied to garment/accessory, home accessory, picture, wall hanging, blanket/quilt or any other similar item not stated

93. **Machine Pieced and/or Appliquéd Item with Machine quilting.** Examples might include: picture or wall art, pillow, bag, doll quilt, table runner, etc.

94. **Repurposed Textile Creation:** Item made from **repurposed or non-traditional** textile which can be worn, used in the home, school, office, car or any other similar item not stated.

95. **Textile Design Creative Components –“Career”:** Explore a career by identifying education needed, plan of study, pre-workforce preparation, education cost analysis, salaries, any other similar item not stated Exhibit will consist of a multimedia presentation or notebook including but not limited to the items stated. 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> for literature listed below

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7 2nd - \$5 3rd - \$3.

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 posterboard 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 1, 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

Counties may enter one food preparation and preservation exhibit per class. 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'x3' (width x depth) space, with sides extended. Exhibits must be free standing with sides attached. Poster must be constructed on poster board any size up to 14"x22". 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 should be readable from at least 10 ft. away.

Criteria for evaluating educational displays and posters include:

- Originality of idea — 20 points
- Educational value — 50 points
- Display value — 30 points

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

4-H'ers may use recipes indicated in the food 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. Jars of jams and jellies being considered for ribbons will be evaluated for taste in addition to traditional attributes.

Only 1st through 5th places will be displayed or as space allows. Ribbons will be placed on the top ten (10) in each class. Premiums will be paid on the top three in each class as follows: 1st - \$7 2nd - \$5 3rd - \$3.

FOOD PREPARATION EXHIBITS

Only one piece of 1st-5th place food preparation exhibits will be displayed. Nonplacing exhibits will be discarded if not picked up.

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 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 un-iced shorten type cake (no angel food or chiffon)

FOOD PRESERVATION EXHIBITS

(Jar rings should be left on for display. Home canned food entries to be presented 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)

9. One pint or half pint jar of jam or jelly processed in boiling water canner
10. Two pieces of fruit leather
11. One pint or half pint of salsa/picante sauce

LEVEL THREE (AGES 12-14)

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

LEVEL FOUR (AGES 15 AND OVER)

15. One pint or quart jar pressure canned vegetables (no tomatoes or pickles)
16. One quart or one pint jar of plain canned tomatoes.

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 14" x 22", Educational Displays 3' x 3' (width x depth) and self standing.

DIVERSITY EXHIBITS

LEVEL TWO (AGES 9-11)

17. Educational poster based on breads OR cheeses of another country or countries.

LEVEL THREE AND FOUR (AGES 12 AND OVER)

18. Educational poster based on the foods from another culture. Can be based on a cultural celebration

NUTRITION EXHIBITS

LEVEL TWO (AGES 9-11)

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

LEVEL THREE (AGES 12-14)

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

LEVEL FOUR (AGES 15 AND OVER)

21. Educational display based on a recipe modification to include:

- Original recipe and what modifications were made
- Benefits of the modifications
- How did the modifications impact the above factors
- What were other people's responses to the modifications

FOOD OR KITCHEN SAFETY EXHIBITS

LEVEL TWO (AGES 9-11)

22. Educational poster based on food or kitchen safety

LEVEL THREE (AGES 12-14)

23. Educational poster based on protein food safety

LEVEL FOUR (AGES 15 AND OVER)

24. Educational poster based on outdoor cookery or grilling

OTHER EXHIBITS

LEVEL TWO (AGES 9-11)

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

LEVEL THREE (AGES 12-14)

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

LEVEL FOUR (AGES 15 AND OVER)

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

SECTION 309 – 4-H PERSONAL DEVELOPMENT

- **NEW!** The 2017 Fair season will implement all new categories for Personal Development and Leadership. All curriculum for Personal Development are posted on the Oklahoma 4-H Literature Online website at: http://4h.okstate.edu/literature-links/lit-online/leadership-personal_development/personal-development/personal-development-resources
- **Picture Perfect YOUth curriculum and Leader Guide** – This new curriculum provides specific lessons in each level of the curriculum (beginner, intermediate and advanced) with fair project instructions. On the table of contents of each project manual, lessons with fair projects are noted with a blue ribbon icon. The score sheet for evaluating fair projects are included in all manuals and leader guide.
- **Heritage Scrapbook Classes** – The Heritage Scrapbook project also has a new curriculum. It is posted on the link provided above. This manual provides specific activities for each age division (beginner, intermediate, advanced). Specific activities are required for each age division and other activities are optional. The Heritage Scrapbook should grow each year! All instructions for completing the Heritage Scrapbook are provided in each activity in the Heritage Scrapbook manual. The score sheet for evaluating the Heritage Scrapbook is included in the manual and Picture Perfect YOUth Leader Guide.
- **Scrapbooking Classes** – The 4-H Scrapbooking project has a specific curriculum which teaches youth the basics of scrapbooking. The manual is posted on the website link above. Youth are encouraged to go through these six lessons before beginning a scrapbooking project. The score sheet for evaluating the Scrapbooking classes is provided in the 4-H Scrapbooking manual.
- Posters and educational displays should follow the guidelines on page 2 of the Oklahoma State Fair rule book unless different instructions are provided in the project manual.
- A county may enter one exhibit in each class. Individual 4-H members can enter one exhibit in each class.
- Ribbons will be placed on the top ten (10) in each class.
- Premiums will be paid on the top three in each class as follows: \$7, \$5, \$3

Beginner Level (ages 9-11)

1. My Short Term Goals Poster – Picture Perfect YOUth Beginner Manual: Let's Take A Goal Setting Ride, page 7
2. Hello to the House Poster – Picture Perfect YOUth Beginner Manual: Who am I? Who are YOU?, page 32
3. That's Write! Poster – Picture Perfect YOUth Beginner Manual: Manners Matter: That's Write!, page 41. *The Thank You note subject for 2017 entry is as follows: 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.*
4. My Hands of Service Display – Picture Perfect YOUth Beginner Manual: Helping Hands in Action, Page 62
5. Emergency Preparedness Kit – Picture Perfect YOUth Beginner Manual: Safe in My World, page 87
6. Heritage Scrapbook – *Required activities:* My Family Tree, Picture This, My Heredity Profile, This is Me. *Optional activities:* Preserving my Family Traditions and Customs, Digital Scavenger Hunt, Can I Interview You?

- 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)

- Problem Solving Poster – Picture Perfect YOUth Intermediate Manual: Solutions for Problem-Solving, page 16
- Media Messages: Myth or Fact? Display -- Picture Perfect YOUth Intermediate Manual: The People in Our Lives, page 46
- Leadership Banner Poster -- Picture Perfect YOUth Intermediate Manual: Modeling Leadership, page 58
- My Thumbprint of Character Poster -- Picture Perfect YOUth Intermediate Manual: I.D. Good Character, page 79
- Cyber Space Safety Board Game -- Picture Perfect YOUth Intermediate Manual: Cyber Space: Keep It Safe, page 89
- 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?
- 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)

- Goal Setting Collage Poster-- Picture Perfect YOUth Advanced Manual: Be SMART About Goals, page 15
- The Who, What, Why and How of an Interview Creative Writing Poster -- Picture Perfect YOUth Advanced Manual: Communicating Well with Others, page 34
- Teambuilding Game Display -- Picture Perfect YOUth Advanced Manual: Teamwork: Towering to Success, page 53
- My BEST Marketable Skills Display -- Picture Perfect YOUth Advanced Manual: Making Your Mark!, page 73
- Vehicle Emergency Kit -- Picture Perfect YOUth Advanced Manual: Destination: Safe, page 81
- 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?
- 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..

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st-\$7, 2nd-\$5, 3rd-\$3.

Beginning Level (Ages 9-11)

- Postmark for 10 post offices in home county or surrounding area
- 30 Oklahoma postmarks
- 20 topical (any category)
- 25 metered postage marks

Intermediate Level (Ages 12-14)

- 30 hand cancelled
- 10-30 postmarks that tell a story
- 30 or more different slogans
- 30 topical (any category)
- 30 metered postage marks

Advanced Level (15 and over)

- 100 or more hand cancelled
- 30-75 postmarks that tell a story
- 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 another inconspicuous location. If not marked, judges may mark or punch.

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st-\$7, 2nd-\$5, 3rd-\$3.

CLASS

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

SECTION 312 - 4-H MODEL ROCKETRY

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

A county can enter only one exhibit in each class. 4-H members can enter only one exhibit in each class.

Ribbons will be placed on top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class. 1st-\$7, 2nd-\$5, 3rd-\$3.

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 WOOD SCIENCE AND INDUSTRIAL ARTS

The wood science exhibits should demonstrate a project experience, which emphasizes the development of woodworking skills such as: sawing, sanding, planing, 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. A county may enter one (1) exhibit in each class. Wood Science exhibits should be permanently signed and dated in an inconspicuous location. If not marked, judge may mark.

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows.

Premiums will be paid on the top three in each class as follows: 1st-\$7, 2nd-\$5, 3rd-\$3.

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

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

SECTION 314 – 4-H SHOOTING SPORTS

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 "501: 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>.

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.

Ribbons will be placed on the top ten (10) in each class. Only 1st - 5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

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 4-H member. Full taxidermy style mounts will not be accepted due to limited space.)
8. LIVING HISTORY: any related item made.

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

9. SHOOTING SPORTS SAFETY: any related item made
10. ARCHERY: any related item made
11. AIR PISTOL: any related item made
12. AIR RIFLE: any related item made
13. .22 PISTOL: any related item made
14. .22 RIFLE: any related item made
15. SHOTGUN: any related item made
16. MUZZLELOADING: any related item made
17. HUNTING AND WILDLIFE: any related item made (May include tanned hides, dried and mounted wings, cleaned skulls or other wildlife parts preserved by the 4-H member. Full taxidermy style mounts will not be accepted due to limited space.)
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/>

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid as follows:

	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>	<u>5th</u>
A:	\$7	\$5	\$3	\$3	\$3
B:	\$10	\$9	\$8	\$6	\$5
C:	\$15	\$13	\$10	\$9	\$8
D:	\$7	\$5	\$3		

Specifications for the insect box are available online at <http://4h.okstate.edu/events-and-activities/oklahoma-state-fairs>

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"x 13"x 2.5". This box can be purchased in bulk at <http://www.bioquip.com/search/DispProduct.asp?pid=1002F> or individually from the State 4-H office. Cover with plastic wrap or rigid plastic. Nine and ten year old exhibitors entering class one may be allowed to enter class one a second year, if the exhibit did not place in the top five at the State Fair the previous year, as long as modifications are made to the exhibit. Premium (A)
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. Premium (B)
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. Premium (B)
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. Premium (C)
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. Premium (C)
6. **Self-Determined Entomology Exhibit**

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 classes. 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. Premium (D)

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. The jar covers should be new, if possible, and screwed on tightly, thus preventing leakage. There should be 1/4"-1/2" of air space below the lid.

Honey should be clear and free from foreign particles.

Chunk Honey should be perfectly capped, free from stains, bee-bread and fingerprints. Edges should be clean-cut, not ragged. One piece only in each jar; as wide as jar mouth will permit and long enough to extend from bottom to the top without jamming.

Labels should be neat and plainly written or printed.

Ribbons will be placed on the top ten (10) in each class.

7. **Comb Honey, one pint jar.** Premium (D)

8. **Extracted Honey, one pint jar.** Premium (D)

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.

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows.

Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

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 EXHIBITS

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>.

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 and 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 a native awl or scale-leaf evergreen — pine or juniper. Nonnative species are acceptable only if they have been introduced for planting windbreaks and shelterbelts. Include a twig with buds with each broadleaf specimen. Exhibit must be properly labeled and displayed on board 28" tall and 44" wide. Two 28" x 22" boards hinged in the middle are more portable.

3. **Ages 16 and over.** Collection of 20 leaf specimens, representing at 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 1/4" 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 1/4" 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 1/4" 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 Members Guide, "4-H Forestry Self-Determined Exhibits." Pub. #239 (revised 3/05) <http://4h.okstate.edu/literature-links/lit-online/environmental-science/forestry>

The 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" (width x depth) or 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 or preparing an energy petroleum exhibit. Individual 4-H member can enter only one exhibit per class. Only 1st-4th place exhibits will be displayed or as space allows.

Rock-mineral-fossil exhibitors should securely mount their specimens in a wooden display case with a glass or rigid plastic cover. . Display box should be one of the following sizes – Current entomology box - dimensions 19" x 16.5" x 3" or the previous size entomology box which was 18" x 24" x 3.5". Class 1 may be on 18" x 24" plywood or stiff cardboard that has been made suitable for hanging, although a box is recommended. Each sample should be mounted and labeled in a neat, orderly manner. Labels should include common name, date, location found and mineral use. At least one-third of the specimens in any collection must have been added during the current project year.

Ribbons will be placed on the top 10 in each class. Premiums will be paid as follows: 1st- \$7, 2nd- \$5, 3rd- 3.

CLASS

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

2. Thirty (30) different unpolished rocks, minerals, or fossils, including specimens of sedimentary, igneous and metamorphic.
3. Open Class — Education exhibit depicting some phase of geology, testing of minerals, polished rocks, etc. (Display should not exceed 24" x 24")

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

Junior Division (Ages 9-12)

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

Intermediate Division (Ages 13-14)

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

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 10ft 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.

Ribbons will be placed on the top 10 in each class. Only 1st-5th place exhibits will be displayed or as space allows.

Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

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 (6) may be from cultivated crops.

6. **Evaluation of an Oklahoma habitat type** that includes a general description of the habitat plant and animal species (species names must be used for plants and wildlife in addition to the common names) that occur within the habitat; a range map showing the habitat's distribution within Oklahoma; and threats to that habitat. Examples of possible habitats include: playa lakes, tallgrass prairie, cross timbers, and shortgrass prairie.

7. **Self Determined Exhibit.** Posters, must be 14" x 22". Displays must not exceed 3' X 3' (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 use 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.

19. Self Determined Poster (14" x 22"). See "Self Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub. #721 (revised 12/06) for ideas. See 4-H Wildlife Project Lit. No. 720 "Exhibit Preparation Guidelines Leaders/Members Guide" (revised 12/06) for guidelines.

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

21. Observation report for Bird House used during previous year, including photo of 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 exhibitor is developing or improving a bird habitat. This exhibit may be added to or continued from year to year as the habitat improvements are implemented.

23. Notebook of bird, feeder or nest/house observation records for more than current year. Include picture of house or feeder at location used with some analysis of comparisons in observations for years observed. (Observation reports are on OK 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 if 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 display in a notebook.

29. Make a collection, mount and press, the leaves of plants showing leaf arrangements (opposite, alternate and whorled); types of leaves (simple, pinnately compound, palmately compound); leaf margins (toothed, smooth and lobed). If poster must be 14" x 22" or display in 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 paggers 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>

Ribbons will be placed on the top ten in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

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. # 21 or related materials. Optional: Include one single-sided page of labeled photos or drawings of the site or collecting activity.

4. Where Does My Water Come From Poster (ages 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 tows, 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 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 1 page report explaining its purpose and how to use it. Some possibilities include Secchi disks, plankton tows, deep water samplers, and kick nets. See TVA booklet, "Homemade Sampling Equipment" for instructions on how to make equipment Optional: Include one single-sided page of labeled photos or drawings showing equipment in use.

15. Illegal Dumping - Poster (ages 15-18)

(14"x 22") Discourage illegal dumping and explain how illegal dumps can contaminate water or create other problems.

16. Landfill Display (ages 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 ranked higher (Ages 15 and older). 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 and/or impacted by project.
 4. Media campaign. Include copies of newspaper clippings and other publicity related to the project.
 5. Photographs may be included.
19. Individual Self-Directed Environmental Stewardship Project (all ages)
Educational report, display or exhibit on the efforts of the member to protect or improve the environment in or near his/her community. Projects may include topics such as protecting water quality, recycling, illegal dumping, household hazardous wastes, reducing soil erosion on farmland, controlling urban 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

All crops exhibits must be grown by the exhibitor as part of a 4-H project during the year exhibited. Only one exhibit allowed in each class per individual. Grain may not be returned to the exhibitor except for the following legumes: alfalfa, sweet clover and vetch. Grain and seed exhibits should be brought and will be exhibited in one gallon clear jars (plastic or glass) with a lid. Alfalfa and small seeded legumes can substitute 1/2 gallon clear jars. Exhibits of bolls of cotton, ears of corn, or heads of grain sorghum should be brought and exhibited in a small shallow, wooden, plastic, or cardboard box of appropriate size for the respective exhibit. Ribbons will be placed on the top ten in each class. Only 1st-5th place exhibits will be displayed or as space allows.

Premiums will be paid as follows: 1st 2nd 3rd 4th 5th

A:	\$7	\$5	\$3		
B:	\$40	\$30	\$20	\$10	\$10

4-H COTTON EXHIBIT — (20 Open Bolls)

Exhibit to be shown with petiole attached, bract leaves removed and burr side up.

1. Any Variety (Premium A)

4-H CORN EXHIBIT — (10 ears)

2. Corn Ears (Premium A)

4-H GRAIN SORGHUM EXHIBIT — (10 Heads)

Exhibit to be trimmed with 2 1/2 inches of peduncle left on the head.

3. Grain Sorghum (Premium A)

4-H THRESHED GRAIN SORGHUM EXHIBIT — (15 Pounds Grain)

4. Grain Sorghum (Premium A)

4-H CANOLA EXHIBIT — (15 Pounds Grain)

5. Canola (Premium A)

✓ 4-H SMALL GRAIN EXHIBIT

All exhibits of wheat must be labeled as to specific variety or name of hybrid. Small grain exhibit shall be approximately one peck. Please refer to the Oklahoma Cooperative Extension Fact Sheet PSS-2168 Maturity Classification of Wheat Varieties <http://wheat.okstate.edu/wheat-management/varieties/PSS-2168.pdf> for suggested varieties.

6. Very Early and Early Maturity Hard Red Wheat Varieties (Premium A)
7. Medium Maturity Hard Red Wheat Varieties (Premium A)
8. Late and Very Late Maturity Hard Red Wheat Varieties (Premium A)
9. Hard White Winter Wheat Varieties (Premium A)
10. Any other wheat variety including Hard White Varieties and Soft Red Varieties..... (Premium A)
11. Oats, any variety (Premium A)
12. Rye, any variety (Premium A)
13. Barley, any variety (Premium A)

4-H LEGUME SEED EXHIBIT

14. Alfalfa (2 quarts) (Premium A)
15. Other small seeded legumes, such as vetch, sweet clover, etc. (2 quarts) (Premium A)
16. Soybeans (1 peck) (Premium A)
17. Other large seeded legumes, such as cowpeas, mungbeans, winter peas, etc. (1 peck) (Premium A)
18. Peanuts, any type/variety (1 peck) (Premium A)

PEANUT INFORMATION EXHIBIT

Eligibility: Any 4-H member interested in learning more about peanuts and the peanut industry may prepare an exhibit.

The exhibit shall consist of an educational exhibit that will fit a 3' wide x 3' deep. Must be free-standing with sides attached. A 4-H notebook should be included in the display. Each county may have one exhibit in each class.

The exhibit should provide information about one phase of the peanut industry such as history, use, production, processing, or importance. Exhibit should increase the public awareness of the importance and impact of the specific sector of the peanut industry selected. The notebook should include any involvement the exhibitor has had with peanuts, such as teaching others, giving talks or demonstrations, preparing peanut foods, planning programs, producing peanuts, etc. The notebook may be typed or handwritten and should include pictures.

Criteria for judging: 30 points — Completeness of education lesson, 30 points — Public appeal, 40 points — Notebook.

Ribbons will be placed on the top ten (10) in each class.

19. Junior Division (1st, 2nd & 3rd yrs.) (Ages 9-13) (Premium B)

20. Senior Division (4th yr. and above) (Ages 14 and over)(Premium B)

CROPS IN OUR LIVES POSTER EXHIBIT

Poster must be 14"x22" and must be permanently signed and dated on the back prior to laminating. Judging committee may mark or punch if not marked. Text of posters should be readable from at least 10ft away. Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows: 1st- \$7, 2nd- \$5, 3rd -\$3

Choose an agronomic crop, and create a poster depicting one of the following topics related to that crop:

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

- Class
21. Ages 9-11 (Premium A)
 22. Ages 12-14. (Premium A)
 23. Ages 15 and over (Premium A)

SECTION 321 – 4-H FORAGE FOR LIVESTOCK & WILDLIFE

4-H members may have one exhibit per class. The exhibitor's name and age must be on the back of the display board.

References for the displays are:

- Field Guide to Oklahoma Plants, OSU Rangeland Ecology and Management Publication, contact OSU County Extension Office or Natural Resources Conservation Service Office.
- National Range Judging Contest 4-H Manual No. 149
- A Checklist of Prairie, Shrubland, and Forest Understory Plants of Oklahoma, OSU Fact Sheet F-2872.
- Bobwhite quail Habitat Evaluation and Management Guide, OSU Circular E-904
- White-tailed Deer Habitat Evaluation and Management Guide, OSU Circular E-979

Classes 1-8 are an exhibit of ten (10) native or introduced annual, biennial or perennial plants mounted on plywood, pegboard, or other suitable material approximately 3' x 3'. Two holes 1/2" in diameter and 1" from the top should be drilled in the board to facilitate displaying the exhibit. Exhibitor must sign and date board on the back. Plant specimens must have been collected during the current project year.

Single plants or bundles should not to exceed 1" in diameter. No plant should extend above or below the display board. Plants must be labeled with the common name. Judges will use the reference books listed in this section.

Label with letters about 1/2" high. Labels may be placed above, below or across the plants.

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

1. Forages with desirable grazing value for cattle
2. Forages with undesirable grazing value for cattle
3. Forages with desirable browsing value for white-tailed deer
4. Forages with undesirable browsing value for white-tailed deer
5. Forages with desirable food value for bobwhite quail
6. Forages with undesirable food value for bobwhite quail
7. Forages with desirable food value for wild turkey
8. Forages with undesirable food value for wild turkey

SECTION 322 – 4-H HOME GARDENING

ALL HOME GARDENING ENTRIES WILL BE DONATED TO LOCAL CHARITY. IT WILL NOT BE DISPLAYED.

Only one exhibit allowed in each class per individual.

Ribbons will be placed on the top ten (10) in each class. Only 1st -5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

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 (scallop 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 or 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

Only one (1) exhibit allowed in each class per individual. However, counties may have more than one exhibit per class.

EXHIBIT UNIT I - LANDSCAPING HOME GROUNDS

"Before and After" pictures not to exceed 5" x 7" of yard clean-up, plantings or construction of landscape elements mounted securely on one 14" x 22" sheet of poster board shall constitute this exhibit. Number of pictures should be no less than two nor greater than eight. Posters must be permanently signed and dated on the back.

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

Ribbons will be placed on the top ten (10) in each class. Only 1st-5th place exhibits will be displayed as space allows.

Premiums will be paid in each class as follows: **1st 2nd 3rd 4th 5th**

A:	\$ 7	\$ 5	\$ 3		
B:	\$ 8	\$ 6	\$ 5	\$ 4	\$ 3

1. Junior-(Ages 9-13)(Premium A)
2. Senior-(Ages 14 and over) (Premium A)

EXHIBIT UNIT II - HERBARIUM CARD

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

3. Ages 9-11
A collection of 15 specimens with the following information:
(1) common name, (2) general class, (3) kind of plant(Premium B)
4. Ages 12-14
A collection of 25 specimens with a pressed flower, or fruit or seed included with each specimen.
Information on the card to be filled out is (1) common name, (2) general class, (3) kind of plant,
(4) form, (5) color, (6) exposure. (Premium B)
5. Ages 15 and over
A collection of 30 specimens with a pressed flower, fruit or seed included with each specimen.
All information on the card should be filled out(Premium B)

EXHIBIT UNIT III - GROUP OR CLUB EXHIBIT

6. The exhibit to consist of landscape or environmental beautification project report on a project such as a home grounds, school, community center, church, city or roadside park, highway beautification, clean-up campaign, etc.(Premium B)

A group is to consist of 3 or more 4-H members under supervision of 4-H leaders. All projects must employ horticulture material for the purpose of conserving natural beauty of an area or improving the aesthetic quality and/or function of an area. Other material such as concrete walks, benches, etc. may be used in addition to the horticulture material.

Judging Criteria:

- A. A brief project description and statement of purpose and objectives.
- B. Creativity demonstrated and quality of the project.
 1. Extent to which plan integrates total needs of area, short and long term.

2. Functional use and aesthetic considerations of horticultural materials and techniques
 3. Operational considerations of expenses encountered, resource personnel contacted and maintenance factors.
 4. "Before and After" photographic sequence to illustrate effectiveness of the project.
- C. A brief summary of project activities, extent to which objectives were achieved, knowledge gained, and the particular significance of the project toward the improvement and beautification of your environment.
- D. Newspaper clippings and other publicity of the project.

SECTION 324 – 4-H HORTICULTURE

TERRARIUMS

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, (4) appropriate size of plants for container. Terrariums should feature either woodland or tropical plants and feature at least 3 different species of plants. Terrariums must be completely covered at all times. **Terrariums containing succulents will be disqualified; succulents belong in dish gardens.**

Ribbons will be placed on the top ten(10) in each class. Only 1st-5th place exhibits will be displayed or as space allows.

Premiums will be paid on the top three in each class as follows: 1st- \$7, 2nd- \$5, 3rd -\$3

1. Ages 9-11
2. Ages 12-14
3. Ages 15 and over

DISH GARDENS

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) appropriate size of plants for container. Dish Gardens may feature succulents, carnivorous plants, or foliage plants. Dish Garden should feature at least 3 different species of plants.

Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows:

1st- \$7, 2nd- \$5, 3rd -\$3

Class

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

RESIDENTIAL LANDSCAPE DESIGN DRAWING

Develop a landscape design/drawing for the provided residence. Base maps should be printed on 11"x17". Once printed verify scale is 1in =10ft. Design drawings are to be made directly on the provided base maps. Use provided examples of landscape symbols to draw and/or trace on the base map. Use the provided color rendered landscape drawings for example of effective designs and color techniques. Reference <http://www.hortla.okstate.edu/research-and-outreach/programs/youth/4-H>

Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows:

1st- \$7, 2nd- \$5, 3rd -\$3

COMPETITION GUIDELINES

- Use white 11"x17" paper to horizontal exhibit landscape drawings
- Create a column on the right side of sheet for title block, 2" wide from top of drawing to bottom. List the following in INK: Scale, symbols of plants, numbers representing trees, shrubs and plants and how many of each plant were used in the landscape. Example; 1-Rose (6), 2 -Oak Trees (4), 3-Petunia (3 Dozen or 36). Name date, and club
- Drawing is top view (plan view)
- Use the scale provided: 1in =10ft
- Hand drawings or CAD drawings will be accepted
- Draw plant symbols at mature plant size
- Use the plant symbols and the materials symbols provided
- Drawings must be full color
- Walkways should be 3ft or 5ft wide
- Patio(s) are required on the back of the house
- In the drawings use a line to indicate the planting beds. All small trees, shrubs, and perennials should be inside a planting bed. Large trees could be found in the lawn or inside planting beds.

Class

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

HORTICULTURE IN OUR LIVES POSTER EXHIBIT

Poster must be 14"x22" and must be permanently signed and dated on the back prior to laminating. Judging committee may mark or punch if not marked. Text of posters should be readable from at least 10ft away. Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows: 1st- \$7, 2nd- \$5, 3rd -\$3

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

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

Class

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

MODELS

Model cold frame or hoop house ---- mounted on a piece of painted plywood no larger than 12"x 12". Must include an explanation of the purpose of the structure, examples of potential uses, correct orientation in the landscape, and materials necessary in its construction. Explanation should be typed or handwritten on a laminated piece of white paper no larger than 8.5" x 11" and be securely attached to the model. Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows: 1st- \$7, 2nd- \$5, 3rd -\$3

Class

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

Model vegetable garden – mounted on a piece of painted plywood no larger than 12" x 12". Must include at least 5 different vegetables, show appropriate orientation (identify 'north'), and appropriate spacing of plants. Must include an explanation of the layout of the garden, the spacing requirements of the selected plants, the dates each chosen vegetable would be planted/harvested, and any support structures (trellises, cages, etc.) necessary. The explanation should be typed or handwritten on a laminated piece of white paper no larger than 8.5" x 11" and be securely attached to the model. All pieces of the model must be handmade (no store bought fences, mini vegetables, etc.). Ribbons will be placed on the top ten in each class. Premiums will be paid on the top three in each class as follows: 1st- \$7, 2nd- \$5, 3rd -\$3

Class

16. Ages 9-11
17. Ages 12-14
18. Ages 15 and over

PECAN INFORMATION EXHIBIT

Eligibility: Any 4-H member interested in learning more about pecans and the pecan industry may prepare an exhibit.

The exhibit shall 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. Each county may have one exhibit in each class.

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.

Awards furnished by the Oklahoma Pecan Growers Association. 1st place entries should be available to display at annual OPGA meeting in June the following summer.

Criteria for judging: 30 points completeness of educational lesson; 30 points public appeal; 40 points notebook. Ribbons will be placed on the top ten (10) in each class.

19. Jr. Division (ages 9-13) \$40 \$30 \$20 \$10 \$10
20. Sr. Division (ages 14 and over) \$40 \$30 \$20 \$10 \$10

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 that their entry represents companionship.

- The 4-H member's name, age, and county must be included attached to the exhibit. Exhibits deemed to be inappropriate will not be displayed.

- If you use text, pictures, drawings, artwork, or other information not created by you in your exhibit you must cite the source. See "Copy written material and referencing sources" section at opening of 4-H Division.

- When using the official clover with H's, the tail should curve to the right and the words 18u.s.c. 707 must appear under the lower right leaflet, except if hand drawn clovers.

Ribbons will be placed on the top ten (10) in each class. Only 1st -5th place exhibits will be displayed or as space allows. Premiums will be paid on the top three in each class as follows: 1st - \$7, 2nd - \$5, 3rd - \$3.

Companion Animal Poster illustrating one of the following 1) Animal Health and/or Nutrition 2) Good Husbandry and/or Grooming 3) Training and/or showing 4) Service and/or Citizenship. Posters must be 14" x 22". For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Posters must be permanently signed and dated on the back. If not marked the judging committee may mark or punch. Posters may be horizontal or vertical. Text of posters should be readable from at least 10 ft. away.

01. Jr. (ages 9-13)
02. 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 3ft deep and 4ft wide (with sides extended for display.)

Back can be 4ft 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.

03. Jr. (ages 9-13)

04. 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.

05. Jr. (ages 9-13)

06. 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"x 10". Captions are optional, but not required. Photos are to be taken by the exhibitor.

07. Jr. (ages 9-13)

08. 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 placed on the current year's work.

09. Jr. (ages 9-13)

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)

SECTION 326 - 4-H DOG SHOW OBEDIENCE, RALLY AND AGILITY

Ford Truck Arena

October 8, 2017 - Check In 9:30 - Show Starts at 10:00 a.m.

Superintendent: Cathleen Taylor

Youth may participate who are actively involved in the 4-H program and have been members for a minimum of 30 days prior to the dog trial. The "Oklahoma 4-H Dog Rules and Regulations" SMAN-122 <http://4h.okstate.edu/literature-links/lit-online/animal-science-companion-animals/dog> will serve as the basis for the rules in the 4-H Obedience, Rally, Showmanship and Agility entries.

Obedience Beginner A and Rally Novice A classes are limited to 4-H members who have never shown in any obedience trial. Rally Advanced A is limited to 4-H members who have never completed a novice obedience title on any dog.

PARENTS AND LEADERS WILL NOT APPROACH JUDGES ABOUT ANY DECISION.

Rules are available from County Extension Centers throughout Oklahoma, the State 4-H Dog council or the show Superintendent. Entries must be received online by September 9. No entries will be accepted after this date. **Veterinarian must** certify that each dog has been vaccinated **for rabies**. Distemper, hepatitis, leptosprosis and parvovirus vaccinations must also be documented; if not certified by veterinarian or they must have a coded label showing contents and date of expiration for those not administered by veterinarian. This certification is required on the entry form. Tulsa State Fair also requires that health papers signed by a Certified Veterinarian be presented at the gate on the day of the show before you will be permitted on the grounds.

Aggression - if a dog shows aggressive behavior he/she may be excused from the show.

An exhibitor may handle more than one dog in each class, but each dog must have a separate handler for the long sit and long down exercises when judged in the same group.

SECTION 327 - HOBBIES AND COLLECTABLES/LEISURE EDUCATION

The purpose of this project area is for members to learn about and document personal, 4-H, or subject related history using appropriate conservation, preservation and/or restoration methods. Think of this project like our own "4-H Antique Road Show" 4-H project area

- Each exhibit will require research, and reporting to authenticate the item being exhibited and to justify the method chosen to preserve/display the item.

- 4-H Curriculum has been developed to introduce and educate 4-H members and volunteers in the preservation and conservation of artifacts. The criteria/standards used to evaluate the 4-H member exhibit will reflect the member's mastery of conservation and/or preservation techniques and their ability to document memorabilia/history. Use the updated (Revised 2014) Authentication Card (4H-HLTH-413)

- Authentication Card must be legible and securely attached to the front of ALL exhibits. Exhibits will be disqualified if they do not have a card

- The County and state fair will do their best to insure items are respectfully handled, but they do not assume responsibility for any item damaged or lost while on exhibit. Please consider this when entering your "collectables."

- No loose collections/set will be accepted. A collection must be securely attached/contained to make one entry. This means each item within the collection is enclosed in a frame, notebook, attached to a tray, or firmly attached to a rigid display board (foam core, matt

board, corrugated plastic, etc.) in a manner where items cannot be separate from the collection.

• Curriculum currently available or under development: 4H HLTH 403; Preserving Vintage Clothing and Textile Products-Part 1:4H HLTH 404 Preserving Vintage Clothing and Textile Products Part 2; 4H HLTH 405 Storage and Display of Heirloom Textiles in the Home; 4H HLTH 406 Preserving Books, Paper, Documents & Photographs; 4H HLTH 407 Preserving Metal, Wool and Plastic Collectables(N/A); 4H HLTH 408 Preserving Memorabilia; 4H HLTH 409 History Mysteries Part 1Recording and retelling the history of 4-H and its people through stories; 4H HLTH 410 History Mysteries Part 2-Writing the story-your treasures-from Clues; 4H HLTH 411 Documenting and Cataloguing Collectables (N/A); 4H HLTH 412 Displaying Collections and Collectables (N/A); 4H PDL 111 Personal Development – Documenting our Heritage; and 4H HLTH 413 Authentication Card (Revised 2014).

The top five will be displayed or as space allows. Ribbons will be placed on top ten in each class. Premiums will be paid as follows: 1st-\$7, 2nd-\$5, 3rd-\$3

Collection – Minimum of five items. Each collection will be limited to a display area no larger than 22"x28" when lying down.

1. Paper materials – Patterns, 4H Project manuals/Curriculum, Books/Magazines, Postcards, News Clippings, Canning Labels, Photos, Bumper Stickers, etc.
2. Buttons (Example –I Bleed Green, I Luv 4-H)
3. Jewelry or medals
4. Textile Items-Clothing Accessories, Patches, Hot pads, etc.
5. Dishes/Containers/Sculpture – Ceramics, Pottery, Glass, etc.
6. Metal Materials – Signs, Bike or Car Tag, Tools or similar items
7. Other Collectables (Items should be keep with the high ideals and principles of the 4-H Program

HISTORICAL PRESERVATION, RESTORATION AND REPLICATION -of Photography

8. PHOTOGRAPHY

Purpose is to determine the member's application of skills and knowledge gained in the area of restoration and preservation of antique/collectable photographs. Project work will be judged on research, knowledge and an appropriate method of preservation restoration or replication.

Authentication Card (Revised 2014) – Be sure to include when possible: documentation of the people in the picture, location, where it originated, photographer and why this particular picture deserves the historical "consideration" as a collectable.

Choose one of the following methods and justify your choice as it relates to preservation on the authentication card.

- a. Original photographs electronically copied, repaired/enhanced when necessary or printed from the original negative. The photo should be appropriately displayed for preservation purposes. Be sure to document why this particular picture deserved the historical consideration.
- b. Follow preservation guidelines as noted in 4H HLTH 406. Securely hinge original photo enclosed in a protective sleeve (so it can be lifted to view back of the photograph.)
- c. If the desire is to preserve the historic integrity of the photograph and frame, appropriate conservation methods should be researched, applied and documented as part of the exhibit.

COLLECTABLE(S)

Purpose is to determine the member's application of skills and knowledge gained in the area of restoration and preservation of hobbies and collectables. Project work will be judged on research, knowledge and an appropriate method of preservation restoration or replication. Any item or set must be displayed in a manner that provides protection, is secure and can be viewed.

9. Historic Replica – When an item cannot be restored, preserved or attained, a collector may have to replicate the item. When replicating an item it is important to research and duplicate the use of construction methods and materials as close as possible. Attach a picture/photograph of the original item.

10. Heirloom Restoration or Preservation – exhibit an antique or collectable which has been restored or preserved using appropriate methods. Attach a before picture of the item.