



4-H Youth Development & Oklahoma FFA Association Exhibits



INSIDE EXHIBITS

4-H Superintendent

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FFA Superintendent

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Ribbons will be placed 1st through 5th place. Premium money will be awarded based on a point system if funds are available.

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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 2024), if not signed and dated.

SECTION 300 4-H POSTER-ART EXHIBIT

All poster boards must be backed with foam board for display purposes. This can be done after making the poster or the poster can be made directly on the correct sized (14" x 22") foam board.

Posters may be horizontal or vertical. Poster may be produced by any medium — watercolor, ink, crayon, acrylic, charcoal, collage, computer, etc. — Posters must be flat. Do not use 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 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 of posters should be readable from at least 10 ft. away.

NOTE: Posters in section this section 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.

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 <https://4h.okstate.edu/educators/clover-andemblem/index.html>

Beginner Division (grades 3-5)

3-2-1-1-1

1. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or promote any 4-H project.
2. Poster designed to promote 4-H using the theme "Find your spark in 4-H"
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 (grades 6-8)

3-2-1-1-1

4. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or promote any 4-H project.
5. Poster designed to promote 4-H using the theme "Find your spark in 4- H"
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 (grades 9-12)

3-2-1-1-1

7. 4-H promotional poster designed to recruit 4-H members, volunteers, promote any 4-H event or promote any 4-H project.

8. Poster designed to promote 4-H using the theme “Find your spark in 4-H”
9. Poster recognizing or documenting one of the following: Oklahoma 4- H history during one decade or the evolution of a particular 4-H project area over the decades.

SECTION 301

EDUCATIONAL BOOTH DISPLAY

All educational displays must have stable, freestanding backs with sides attached. This includes Sec. 301 and educational displays in specific project areas. Size requirements for all display board is 36” x 48”. Educational displays must be 3-dimensional.

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 displays should be readable from at least 10 ft. away.

Displays in this section MUST include the 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 <https://4h.okstate.edu/educators/clover-and-emblem/index.html>

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.

- o Promotion of a specific 4-H project, member recruitment, current youth issue, event etc.
- o Community Service
- o The theme “Find your spark in 4-H”

EXHIBITS IN THIS SECTION MUST PROMINENTLY DISPLAY

A 4-H CLOVER OR MENTION 4-H. When using the official clover with H's, the tail should curve to the right and the words 18 U.S.C. 707 must appear under the lower right leaflet, except for hand drawn clovers. For more information on proper use of the 4-H clover please refer to

<https://4h.okstate.edu/educators/clover-andemblem/index.html>

- All grades are accepted in each class.

Class:

5-4-3-2-1

1. Educational Booth Display (other than community service or “Find your spark in 4-H”) Display may be project area, member recruitment, current youth issue, event, etc.
2. Community Service Booth Display – Sharing about a community service that a 4- H member or county 4-H group has done. Should include pictures, examples, and scope of projects. The impact on others will be an added criterion for judging. Project should be the extension of a 4-H project area.
3. Display using the theme “Find your spark in 4-H”

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, and Level 3 is for those who have advanced skill level. All grades within each level are before September 1 of the current calendar year.

- **DIGITAL PHOTOS** may be entered. Adjustments to digital photographs are limited to color and contrast adjustments, cropping, gray scaling, exposure adjustments, and red eye reduction (with the exception of Classes 25 to 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 judges. Photos will be disqualified if in a frame.
- **TITLES, CAPTIONS AND OTHER REQUIRED INFORMATION:**
On the front of the board, there must be a title (i.e., My Trip to the Zoo, or My Favorite Photo) and each photo must have a caption giving the viewer more information about the photograph. The title should not be the class description (ie. Digitally adjusted photo) rather a description of the subject of the photos (ie. "My Day at the Zoo"). **The back of each board must include the exhibitor's name, county, and number of years in the 4-H photography project.**
- **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.

Class: PHOTOGRAPHY EXHIBITS

Level 1: Focus on Photography

3-2-1-1-1

Junior Classes – Grades 3-7 (for members who have beginning skill level)

1. Four (4) photos, one from each of the following categories: people, animals, plant life and scenery.
2. Four (4) photos of people doing different things, showing a variety of activities, camera angles and lighting choices.
3. Four (4) 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 four (4) photos telling a story or illustrating a single event.
5. Best individual photo made this year.

Senior Classes – Grades 8-12 (for members who have beginning skill level)

6. Four (4) photos, one from each of the following categories: people, animals, plant life and scenery.
7. Four (4) photos of people doing different things, showing a variety of activities, camera angles and lighting choices.
8. Four (4) 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 four (4) photos telling a story or illustrating a single event.
10. Best individual photo made this year.

Level 2: Controlling the Image

3-2-1-1-1

Junior Classes - Grades 3-7 (for members who have intermediate skill

level)

11. Four (4) 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 (4) 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 (4) photos showing effect (lighting, media, techniques, and processes). The caption for each photo or the title of board must explain the ideas being illustrated.
14. Best individual photo made this year.

Senior Classes - Grades 8-12 (for members who have intermediate skill level)

15. Four (4) 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 (4) 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 (4) 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

4-3-2-1-1

All Grades – (for members who have advanced skill level)

19. Four (4) 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 (4) outstanding "people" pictures.
21. Four (4) 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, form core or mat board 14" x 14".

23. Junior (grades 3-7)
24. Senior (grades 8-12)

Digitally altered 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 on a single black or white poster board, form core or mat board 14" x 14". Attach up to ½ page of written explanation of the alterations to the back of the exhibit.

25. Junior (grades 3-7)
26. Senior (grades 8-12)

Digitally altered scanned image – Exhibit must include the original image labeled "original image", and the digitally altered image labeled "altered

image”. Alterations are beyond common photography techniques of red eye removal, cropping, etc. Must be on a single black or white poster board, form core or mat board 14” x 14”. Attach up to ½ page of written explanation of alterations to the back of the exhibit. Trademark images may not be used.

- 27. Junior (grades 3-7)
- 28. Senior (grades 8-12)

SECTION 303
Creative Arts

One (1) 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 may mark exhibit with Fair and Year (for example: OK State Fair, 2023), 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.

Class:

Juniors – Grades 3-7
Seniors – Grades 8-12

3-2-1-1-1
3-2-1-1-1

- 1. Jr. Fine Art: Pencil, charcoal, pastels, chalk, ink
- 2. Sr. Fine Art: Pencil, charcoal, pastels, chalk, ink
- 3. Jr. Fine Art: Watercolor
- 4. Sr. Fine Art: Watercolor
- 5. Jr. Fine Art: Oil or acrylic
- 6. Sr. Fine Art: Oil or acrylic
- 7. Jr. Art Portfolio: Must include at least 5 pieces/pictures of art made by exhibitor
- 8. Sr. Art Portfolio: Must include at least 5 pieces/pictures of art made by the exhibitor
- 9. Jr. Creative Writing: Must be original work, no more than 500 words, typed in 12 point font, double spaced. Entry should be placed in a paper folder with brads. Exhibitor name and county should be on the front of the folder.
- 10. Sr. Creative Writing: Must be original work, no more than 500 words, typed in 12 point font, double spaced. Entry should be placed in a paper folder with brads. Exhibitor name and county should be on the front of the folder.
- 11. Jr. Ceramics: Glazed (maximum of one piece)
- 12. Sr. Ceramics: Glazed (maximum of one piece)
- 13. Jr. Ceramics: Stained (maximum of one piece)
- 14. Sr. Ceramics: Stained (maximum of one piece)
- 15. Jr. Pottery: Original design made from clay using hand molding or on a potter’s wheel
- 16. Sr. Pottery: Original design made from clay using hand molding or on a potter’s wheel
- 17. Jr. Print Process Article: Block printing and other printing methods
- 18. Sr. Print Process Article: Block printing and other printing methods
- 19. Jr. Nature Craft: Article made from natural materials including weaving or basket making
- 20. Sr. Nature Craft: Article made from natural materials including weaving or basket

making

21. Jr. Bead Craft Article
22. Sr. Bead Craft Article
23. Jr. Leathercraft: Kit
24. Sr. Leathercraft: Kit
25. Jr. Leathercraft: Original Design
26. Sr. Leathercraft: Original Design
27. Jr. Hand Crafted Wax Candle
28. Sr. Hand Crafted Wax Candle
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

NOTE: Puppets may either be entered in Design and Construction (Jr. class 42 or Sr. class 49) or in Paper Craft depending upon medium and criteria.

COPY WRITTEN MATERIAL AND REFERENCING SOURCES

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

SECTION 304
4-H Technology Exhibits

- Every exhibit must be labeled on the back with the following information: Name, Club, County, Grade before September 1 and date poster or exhibit was made.
- Copy written material such as professional photos, books, publications, or items on the internet should not be used as original.
- Exhibits displayed as posters must be constructed on poster board 14" x 22" (1/2 of a poster board). They may be horizontal or vertical. Posters will be judged on 1) educational idea portrayed, 2) public appeal, and 3) creative and original ability presented. Copyrighted or trademarked cartoon characters or other designs must not be used due to copyright restrictions.
- For poster displays purposes, 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.

Juniors - Grades 3-7

3-2-1-1-1

Seniors - Grades 8-12

3-2-1-1-1

Flat flyer (one-sided) designed by the exhibitor to promote a club or county 4-H educational program or activity. Computer generated flat flyer (8 ½" x 14" or 8 ½" x 11"). Flat flyers should be securely attached to an appropriately sized poster board.

1. Juniors
2. Seniors

Brochure, card, or invitation related to 4-H (may be double-, tri-, or four-fold measuring 8 ½" x 11" or 8 ½" x 14 before folding.) Attach two (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" – ½ of a poster board. Attach a large envelope to the back of the poster board and insert a folded copy of the brochure.

3. Juniors
4. Seniors

PowerPoint Presentation related to 4-H (Can be PowerPoint, Google slides or any other presentation program.) 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 five (5) slides and script/presentation notes in a folder or notebook. All PowerPoint presentations should be mounted on a free-standing display board not to exceed 3' x 4' 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. Juniors
6. Seniors

Digital Media for a group or club project - Submit a video (maximum of 3 minutes) designed for social media use on STEM projects. The video must be in an .MP4 format and submitted on a flash drive. Video may 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. Group Media

STEM Career Poster 4-H members should research careers in STEM before developing their poster exhibit. Posters should highlight the variety of STEM related careers and follow the Technology Exhibit poster guidelines and criteria.

8. Junior Poster - Draw a Scientist

9. Senior Poster - Careers in STEM

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 (2) grade groups.
- Every exhibit must be labeled on the back with the following information: Name, Club, County, Grade and date poster, map or exhibit was made.
- Posters/Maps must be 14" x 22" – ½ of a poster board. Exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Maps may be affixed to poster board. The map itself doesn't have to be the full 14" x 22".
- Displays must be free standing and not be larger than 3' x 3' (width x depth) with sides extended for display.

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

10. Juniors

Display illustrating how GPS has been used to improve society

11. Seniors

Geocache box. Exhibit would include geocache box with contents, description & photograph of the location in which the box will be located. (Check Geocaching.com/play for instructions on placing and describing)

12. Juniors

13. Seniors

Hand drawn map. Map can either be informational or directional. Attach a one (1) page explanation of the purpose for the map.

14. Juniors

15. Seniors

Computer generated map. Map can be either informational or directional. Attach a one (1) page explanation of the purpose for the map.

16. Juniors

17. Seniors

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 grades. They will be judged separately in two (2) grade groups.
- Every exhibit must be labeled on the back with the following information: Name, Club, County, Grade 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
 - Grade of Member
 - Whether or not made from kit
 - Other pertinent information
- Each exhibit should have a one (1) page report explaining the function, purpose, and construction of the robot.
- Displays must be free standing and are limited to 3' x 4' (width x depth) when sides are extended for display.

Programmable or Remote-Controlled Robot

18. Juniors

19. Seniors

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

20. Juniors

21. Seniors

Projects Group Developed by two (2) or more 4-H members working together (Include all 4-H members' information involved on index card)

22. Programmable or Remote-Controlled Robot

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

Engineering Design Challenges

● Criteria:

Engineering design challenges are intended to encourage 4-H members to use the Engineering design process to create their own projects. These projects should include an engineering notebook, journal or description which answer the following questions about their project. Projects without an engineering notebook will be judged accordingly. Projects with notebooks will place before projects without notebooks, journals, or descriptions.

- What is the challenge or task of your project (Example: Throw a marshmallow six feet, incorporate technology into clothing, create alternative energy, design, and build a rubber band powered car, etc.)?
 - Draw your design
 - How did you test your design?
 - What were the results?
 - How did you change your design to improve it?
 - Did you retest it? Did the results improve?
 - Describe your final design and does it work?
- Engineering Design Challenges will be judged based on creativity, design, function, and recordkeeping (journal or engineering notebook).

Marshmallow catapult challenge design task

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. Catapult cannot be any larger than a 3-foot cube (3' X 3' X 3')

Launch a marshmallow at least six (6) feet. A journal or engineering notebook should be included to describe the creation, purpose, and function of the device. Explain how you built and tested your catapult. Chart your marshmallow launches.

Reference: National 4-H Curriculum, Junk Drawer Robotics, Level I <https://shop4-h.org/products/junk-drawer-robotics-curriculum-1-give-robotics-a-hand>

24. Juniors

25. Seniors

Alternative Energy Design Challenge

Design and build a device to utilize wind, solar, or waterpower. Commercially available parts are acceptable, but the majority of the project must be homemade by the member. Must fit entirely within a 12-inch cube (12"X12"X12"). A journal or notebook should be included to describe the creation, purpose, and function of the device. References for this project may include but are not limited to:

Wind Power

4-H Power of Wind Curriculum: <https://shop4-h.org/products/power-of-the-wind-curriculum-set-of-2>

Solar Power

Solar Powered Housed Activity <https://shop4-h.org/products/solar-powered-houses-activity-kit>

Solar Powered Car Activity

<https://shop4-h.org/products/solar-powered-car-activity-kit>

26. Juniors

27. Seniors

Wearable Technology Design Challenge

Design a piece of wearable technology. Commercially available parts are acceptable, but the majority of the project must be homemade by the member. A journal or notebook should be included to describe the creation, purpose, and function of the device. Resources for this project may include but are not limited to:

References:

WearTec Curriculum Series books 1-4: <https://shop4-h.org/products/weartec-1-circuitry-leaders-guide>

2017 NYSD Incredible Wearables: <https://4-h.org/parents/national-youth-science-day/4-h-nysd-2017-incredible-wearables/>

28. Juniors

29. Seniors

Rubber Band-Powered Vehicle Design Challenge

Design a wheel-driven vehicle, powered only by one rubber band (size #64 approx.

¼" wide by 3½" long by 1/32" thick.), which will transport a one pound "load" (box of baking soda approx. size: 3½" x 4½" x 2") at least 9 feet (on a smooth flat floor) while remaining within the boundaries of a 3 ft. wide parallel track (marked off with masking tape). Speed is not a criteria.

There are no restrictions on materials, size, weight, or number of wheels. However, the only energy source permitted is the elastic energy of one rubber band.

Commercially assembled vehicles are NOT permitted. However, commercially manufactured components may be used as parts of the vehicle. The vehicle must be self-starting (i.e., no pushing, external power starts, etc.). Propulsion of the vehicle must be through the wheels (i.e., no propellers, no launching mechanism).

Transferring the energy of the rubber band to wheels via gears, fly wheels, etc., is encouraged. No remote-control devices are permitted.

A journal or engineering notebook should be included to describe the creation,

purpose, and function of the device. Explain how you built and tested your vehicle and if you made any modifications. Chart or graph collected data and explain how you measured improvements in your engineering notebook or journal.

- 30. Juniors
- 31. Seniors

3-D Printed items Item must be an original design. No commercially purchased items may be entered. Entry must include the 3-D printed item, a copy of the plans and 3-5 photos of project and youth during the printing.

- 32. Juniors
- 33. Seniors

SECTION 305 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 - <https://ossef.zfairs.com/>

Displays must be free standing and are limited to 3' x 4' (width x depth) when sides are extended. Commercially available "Science Fair Presentation Boards" are encouraged. Counties may enter one exhibit in each class. First place exhibits in each class will be displayed. Second place and sub-sequential exhibits may be displayed based upon space available and judges'/committees' discretion.

Displays without reports will be judged accordingly. Displays with reports will be placed above those missing reports.

- 1. Beginning Division (Grades 3-5)** **3-2-1-1-1**
A display illustrating the project.
- 2. Intermediate Division (Grades 6-8)** **3-2-1-1-1**
A display with an accompanying report of approximately two (2) typewritten pages.
- 3. Advanced Division (Grades 9-12)** **4-3-2-1-1**
A display and a written report about the project that includes an interview with a scientist, science teacher or someone who is knowledgeable about the area that is being studied (Example: a beekeeper could help with bee projects.) Reports should be three (3) to

- five (5) pages in length.
4. **Team Exhibit (All Grades)** 5-4-3-2-1
- Team may include a maximum of three (3) members. - A display and a written report about the project. It is recommended that it include an interview with a scientist, science teacher or someone who is knowledgeable about the area that is being studied (Example: an engineer could help with engineering projects.) Reports should be three (3) to five (5) pages in length.

SECTION 306 Design and Construction

Fall 2023 – All Design and Construction projects will be REQUIRED to have the Skill Mastery Sheet securely attached to the project. Use a safety pin and attach directly to the exhibit when at all possible. NEVER attach sheet to a hanger! The sheet MUST be completed by the 4-H member.

- The skill mastery sheet (<https://4h.okstate.edu/projects/design-and-construction/curriculum-andpatterns.html> is an education tool to guide project work. Click Sample Technique Cards to find instruction for many of the techniques noted in the skill sheets (i.e., facings, zippers, hems, fasteners, etc.).
- Instruction Sheets for the projects listed can be found at: <https://4h.okstate.edu/projects/design-andconstruction/project-guide-sheets.html>
- Fair exhibits have been carefully selected and directed for members to investigate and learn specific skills/information and to demonstrate mastery of these skills/information.
- The end-product/exhibit is being evaluated on the skills “learned/mastered.” The skill sheet serves as the member’s “personal reflection” and communicates to the judge what was learned. Why is this important? Because in 4-H, the reflection and application of what was learned is more important than the end product/exhibit.
- The skill sheet is to be used as a planning tool. 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.
- Resources, instructions and project guides are posted online. 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:** This is any lines, shapes, colors, textures, or materials applied to the product or item’s design that creates an emotional or personal quality, individuality and creative expression without disturbing initial/end purpose/how it is used. Design is that “something” which makes the item unique to the individual designer.**Reports/Descriptions/Expense Sheet/etc.** – Exhibits requiring a report/description/expense sheet of any kind, can be typed or neatly/legible handwritten. Report should be one-two pages. If typed, it must be double spaced using a minimum of 12-point font. **Report MUST be SECURELY attached to the exhibit.**
- Hangers will not be returned.

**Apparel Design & Construction – (ADC)
Grades 3-5 –**

3-2-1-1-1

Review section 306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 1 or Level 2 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit.

1.Simple Tops (shirt, tank top, t-shirt, vest, poncho, costume, or any other similar simple top). No lined garments. Exhibits in classes 01 and 02 are to be SIMPLE. Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings Level 1 Mastery Sheet: Buttons, Casing, Hem, Seams, Seam Finishes.

2. Simple Bottoms (shorts, capris, pants, skirts, costume, or any other similar simple bottom). Garments are not to be lined, have pockets or a zipper. Exhibits in classes 01 and 02 are to be SIMPLE. Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings Level 1 Mastery Sheet: Hem, Seams, Seam Finishes, Waistband.

3. Simple Lined or Unlined One-piece garment with one or one or more: pocket, waistband or facing (top, bottom, robe, jacket, dress, jumpsuit, vest, poncho/shawl costume, or any other similar one-piece garment). Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 1 or 2 Mastery Sheet: Facing, Pocket, Waistband, Zipper, Interfacing, Seam Finish. Waistband can be a flat front band and elastic back.

4. Non-human Apparel (doll, pet or livestock garment/costume, or any other similar item)

5. Simple Sewn Fashion Accessory (sewn hat, scarf, bag, wallet, purse, mittens, string-pack or textile-based jewelry, or any other similar sewn fashion accessory)

6. Knitted/Crocheted Fashion Accessory (knitted/crocheted hat, scarf, bag, wallet, string-pack, or textile-based jewelry, or any other similar knitted/crocheted fashion accessory). Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 1 or Level 2 Mastery Sheet: Crochet, Knitting.

7. “Recycled/Upcycled” Apparel/Garment/Fashion Accessory with before and after (garment/accessory being worn) pictures and a written description of the design and construction process/steps the member undertook and reason(s) for “redesign.” See Frugal Fashion Instruction Sheet and other OK Recycle and Redesign resources.

Grades 6-8

4-3-2-1-1

Be sure to review section 306 general instructions. Project must have at

least two

(2) of the skills/techniques for the [ADC Level 2](#) project work. Some classes have specific Level 2 skills/techniques which must be incorporated into the exhibit.

8. **Blouse/Shirt with sleeves and closure.** Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 3 Mastery Sheet: Buttons and Buttonhole, Fasteners, Sleeves, Zipper. No jackets, coats or vests.

9. **Lined or Unlined Bottom with zipper and pocket(s)** Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 3 Mastery Sheet: Interfacing/Underlining, Lining, Pockets, Zippers. Pocket style must be one described on the skill sheet.

10. **Lined or Unlined Two-piece garment** (coordinating top and bottom, jacket/vest with bottom/dress, PJ's, uniform, costume, or any other **similar** two-piece coordinate). Exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 3 Mastery Sheet: Buttons and Buttonhole, Fasteners, Interfacing/Underlining, Lining, Pockets, Sleeves, Zipper.

11. **Sewn Fashion Accessory** with closure/fastener and seams. (Examples: hat/earmuffs, wallet, bag/purse/backpack, costume accessory (such as gloves, apron, bustier), textile-based jewelry, or any **similar** sewn accessory. See specific skills/techniques listed under the following headings Level 3 Mastery: Buttons and Buttonholes, Fasteners, Seams, and Seam Finish which may apply.

12. **Fashion Garment or Accessory** created by Knitting/Crocheting/Tatting/Felting or similar technique. No accessory is to be constructed from commercial/purchased fabric (woven, knit, felt, etc.) Knitted or crocheted exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 3 Mastery Sheet: Crochet and/or knitting.

13. **“Recycled/Upcycled” Apparel/Garment/Fashion Accessory** with before and after (garment/accessory being worn) pictures and a written description of the design and construction process/steps the member undertook and reason(s) for “redesign.” See Frugal Fashion Instruction Sheet and other OK Recycle and Redesign resources.

Grades 9-12

4-3-2-1-1

Review section 306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 3 or Level 4 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit.

14. **One-piece lined or unlined garment** (pants, skirt, coat, jacket, dress, jumpsuit, uniform, formalwear, costume, or any other **similar** garment) with two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 4 Mastery Sheet: Collar/Cuff, Buttons and Buttonholes, Fasteners, Hem, Interfacing/Under lining/Interlining, Lining, Seam, Seam/Finish, Zipper.

15. **Two-piece lined or unlined ensemble/coordinate** (coat/jacket/vest/shirt/blouse with dress/pants/slacks/skirt/etc., suit, costume, or any other **similar** two-piece coordinate with two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 4 Mastery Sheet: Collar/Cuff, Buttons and Buttonholes, Fasteners, Hem, Interfacing/Under lining/Interlining, Lining, Seam, Seam/Finish, Zipper.

16. **Sewn Fashion Accessory** with closure/fastener and seams. (Examples: hat/earmuffs, wallet, bag/purse/backpack, costume accessory (such as gloves, apron, bustier), textile-based jewelry, or any **similar** sewn accessory. See specific skills/techniques listed under the following headings Level 3 Mastery: Buttons and Buttonholes, Fasteners, Seams, and Seam Finish which may apply.

17. **Fashion Garment or Accessory** created by Knitting/Crocheting/Tatting/Felting or similar technique. No accessory is to be constructed from commercial/purchased fabric (woven, knit, felt, etc.) Knitted or crocheted exhibit must have two (2) or more of the specific skills/techniques listed under any of the following headings in the Level 4 Mastery Sheet: Crochet and/or knitting.

18. **Functional 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.* **MUST** 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. (Examples of fashion accessories or garment: apron/tidy-top; garment adaptation; mastectomy pillow; cancer cap/hat; slippers/shoes; wheelchair - coat, gloves, backpack, cell phone caddy; etc. This exhibit is for fashion accessories and garments worn by the person. See IDC class 40 for other special needs item.) See Citizenship through Service Learning and Sewing for Special Needs instructions.

19. **Recycling/Upcycling Apparel on a Budget** – Focus is on the skill/technique mastery applied to the recycling/upcycling of a garment with a budget of \$10. Must include an expense sheet for any supplies/garments purchased. In kind or on hand supplies (thread, fabric/trim scraps, buttons, interfacing, etc.) used in the design and construction are also to be listed on the expense sheet. Exhibit must include before and after (garment being worn) pictures and a written description of the design and construction process/steps the member undertook. See Frugal Fashion Instruction Sheet and other OK Recycle and Redesign resources.

All Grades - ADC

20. **All Grades: Apparel Design Project Portfolio:** A portfolio is a great record keeping tool. It will be a valuable source for ideas and future projects, a place to share any project work done in ADC and provide a place to show samples of new techniques or knowledge explored in ADC. It is a notebook with three (3) sections – 1) Projects/Products, 2) Sample Technique Pages and

3) Creative Inspirations and Ideas. See Design Portfolio instructions. All Portfolios, regardless of grade, will be judged together.

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.

Grades 3-5

3-2-1-1-1

Review section 306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 1 or Level 2 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit. The following headings on the Mastery Sheets are just a few examples of skills/techniques which apply to many of the projects listed in IDC: Buttons, Casing, Gathering, Hem, Seam, Seam Finish, Buttons and Buttonhole, Crochet, Darts, Facing, Fasteners, Interfacing, Knitting, Pleats, and Zipper.

21. **Home Accent Kitchen:** apron, food caddy/warmer, appliance cover, message center/board, simple curtains, tablecloth, simple table runner, hand/dish towel, potholders, hot pad, lunch bag, (1) placemat, (2) napkins, or any other similar item for the kitchen. All exhibits should illustrate some skill mastery of hand or machine sewing techniques

22. **Home Accent Bedroom:** Examples: two pillowcases, two coordinating pillows, pair of curtains (no commercially produced linens), or any combination of **two** coordinating pieces (i.e., blanket/quilt with binding, lamp shade, lap desk, rug-latched/woven/braded/etc., painted floor cloth, any other item) for the bedroom).

23. **Simple Storage Bag without zipper:** laundry, jewelry, cosmetic/toiletry/shaving/pencil, book/electronic cover, or any other **similar** bag for home/school/office/shop/vehicle/exercise/hobby/barn/etc. No fashion accessory type bags.

24. **Home Accent Storage:** bucket caddy, hanging storage unit, under- bed storage, basket liners, storage box, locker storage, scrapbook cover, or any other **similar** item. No bags.

25. **Seasonal Décor sewn from fabric:** table runner, (1) placemat with napkin, wall hanging, yard flag/banner/windsock, centerpiece, decoration, or any other **similar** item, sewn by hand or machine stitching. **This class is not intended for full size quilts/blankets which do not fit “seasonal décor.”**

26. **Recycled/Upcycled Furniture** – Painted, stained, refinished, decoupage, tiled or upholstered furniture, or any other appropriate technique not stated to recycle/repurposed a piece of furniture. ***Purchasing an unfinished piece of furniture does not qualify as recycling/repurposing.*** MUST include before and after (furniture displayed, showing how it was designed to fit a room’s décor) photos, a description of the process - inspiration/design process, who it was made for, why the need, any special considerations, or any other pertinent information supporting the finished product. See Recycle and Redesign instruction sheet.

Grades 6-8

4-3-2-1-1

Review section 306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 2 or Level 3 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit. The following headings on the Mastery Sheets

are just a few examples of skills/techniques which apply to many of the IDC projects listed: Buttons and Buttonhole, Casing, Crochet, Darts, Facing, Fasteners, Gathering, Hem, Knitting, Pleats, Seam, Seam Finish, Zipper, Applique, Interfacing/Underlining, Lining, Pockets, Staystitching, Trim(s), Top Stitching and Zipper.

27. **Design Storyboard** – 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 can include but not limited to pictures, samples, diagram of room arrangement, drawings, narration, cost comparison of supplies, arrangements, and budget/cost, etc. for project. See Storyboard instruction sheet.

28. **Home Accent Kitchen:** apron, food caddy/warmer, appliance cover, message center/board, simple curtains, tablecloth, simple table runner, hand/dish towel, potholders, hot pad, lunch bag, (1) placemat, (2) napkins, or any other **similar** item for the kitchen. *All exhibits should illustrate some skill mastery of hand or machine sewing techniques*

29. **Home Accent Bedroom:** Examples: two pillowcases, two coordinating pillows, pair of curtains (no commercially produced linens), or any combination of **two** coordinating pieces (i.e., blanket/quilt with binding, lamp shade, lap desk, rug-latched/woven/braded/etc., painted floor cloth, any other item) for the bedroom). Added to beginning level new class 22

30. **Storage Bag with some type of closure other than drawstring:** laundry, jewelry, cosmetic/toiletry/shaving/pencil, gym/tool/equipment/sewing bag, book/electronic/computer cover, garment bag, or any other **similar** bag for home/school/office/shop/vehicle/exercise/hobby/barn/etc. No fashion accessory type bags.

31. **Home Accent Storage:** bucket caddy, hanging storage unit, under-bed storage, basket liners, storage box, scrapbook cover, or any other **similar** item

32. **Seasonal Décor sewn from fabric:** table runner, (2) placemats with napkins, wall hanging, yard flag/banner/windsock, centerpiece, decoration, or any other **similar** item, sewn by hand or machine stitching. **This class is not intended for full size quilts/blankets which do not fit “seasonal décor.”**

33. **Recycled/Upcycled Furniture** – Painted, stained, refinished, decoupage, tiled or upholstered furniture, or any other appropriate technique not stated to recycle/repurposed a piece of furniture. ***Purchasing an unfinished piece of furniture does not qualify as recycling/repurposing.*** MUST include before and after (furniture displayed, showing how it was designed to fit a room’s décor) photos, a description of the process - inspiration/design process, who it was made for, why the need, any special considerations, or any other pertinent information supporting the finished product. See Recycle and Redesign instruction sheet.

Grades 9-12

5-4-3-2-1

Review section 4306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 3 or Level 4 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit. The following headings on the Mastery Sheets are just a few examples of skills/techniques which apply to

many of the projects listed: Applique, Buttons and Buttonhole, Bias Tape, Couture Technique/Historic Technique, Crochet, Darts, Facing, Fasteners, Hem, Interfacing/Underlining, Knitting, Lining, Mitered Corners, Pleats, Pockets, Seam, Seam Finish, Staystitching, Trim(s), Top Stitching and Zipper.

34. **Design Storyboard** – 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 can include but not limited to pictures, samples, diagram of room arrangement, drawings, narration, cost comparison of supplies, arrangements, and budget/cost, etc. for project. See Storyboard instruction sheet.

35. **Home Accent Living/Family room-** any combination of **two-piece coordinates** for the living/family room (slipcovers, lined or unlined curtains/drapes/shades, pillows, lap throw/lap quilt, remote caddy, ottoman, lamp shade, fireplace mantel scarf, doily, or any other **similar** item). No full- size quilts, full size quilts would be exhibited in classes 54 or 55.

36. **Home Accent Outdoors/Patio/Camping** – any combination of a two- piece coordinate (picnic/BBQ accessories, patio furniture cushions/covers, shades, (1) placemat with napkin (this is a “set” and does not count as a two- piece coordinate), utensil/condiment caddy, insulated carrier, picnic blanket, outdoor sling chair, hammock, sleeping bag, or any other **similar** item not stated for outdoors/patio/camping.

37. **Recycled/Upcycled Furniture** – Painted, stained, refinished, decoupage, tiled or upholstered furniture, or any other appropriate technique not stated to recycle/repurposed a piece of furniture. ***Purchasing an unfinished piece of furniture does not qualify as recycling/repurposing.*** MUST include before and after (furniture displayed, showing how it was designed to fit a room’s décor) photos, a description of the process - inspiration/design process, who it was made for, why the need, any special considerations, or any other pertinent information supporting the finished product. See Recycle and Redesign instruction sheet.

38. **Seasonal Décor sewn from fabric:** table runner, (2) placemats with napkins, wall hanging, yard flag/banner/windsock, centerpiece, decoration, or any other **similar** item, sewn by hand or machine stitching. **This class is not intended for full size quilts/blankets which do not fit “seasonal décor.”**

All Grades - IDC

39. **Functional Home Accessory design for Special “Needs”** – *“Special Needs” being the individual requirements of a person with a mental, emotional, physical disability or disease.* MUST include 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. (Examples of housing accessories for special needs: sensory swing/activity station; fidget quilt/blanket/mat; bedding/pillows/lap blanket; weighted/pressure/gravity blanket; bed/chair/walker caddy; bath or kitchen accessory; bedrail; storage; etc.) See Citizenship through Service Learning and Sewing for Special Needs instructions.

40. **Seasonal Décor non fabric/textile:** wall hanging, centerpiece, decoration, or any other **similar** item not stated. **Exhibit is not to be constructed primarily from fabric or any textile-based product. It can**

have some textiles (i.e., lace, ribbon, buttons, etc.)

41. **Interior Design Project Portfolio:** A portfolio is a great record keeping tool. It will be a valuable source for ideas and future projects, a place to share any project work done in IDC and provide a place to show samples of new techniques or knowledge explored in IDC. It is a notebook with three (3) sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See Design Portfolio instructions. All Portfolios, regardless of grade, will be judged together.

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.

Grades 3-6

4-3-2-1-1

Review section 306 general instructions. Project must have at least two (2) skills/techniques identified as appropriate for the ADC Level 1 or Level 2 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit. See sample technique cards for some of the HTDC techniques.

42. **Simple Sewn Stuffed animal, doll or puppet with both hand and machine stitching techniques.** *Focused on showing technique mastery/what was learned constructing the finished product.*

43. **Decorative Textile Technique:** Skill technique(s) being mastered/learned - screen printing, transfer printing, fabric pens, tie dye, batik, stenciling, block printing or a **similar** method applied to a textile foundation such as a piece of clothing, fashion accessory or home décor purchased or sewn by the exhibitor. *Any skill technique listed in classes 44-47 are not to be exhibited in this class. Focus is on the 1) mastery of one or more decorative textile technique, 2) creativity, and 3) mastery of the use of the elements and principles of design.*

44. **Textile Fabric Creation:** Skill technique(s) being mastered/learned - weaving (beading or textile), latch-hook, braiding, macramé, knitting, crochet, felting, basket weaving or a combination of one of these techniques to create a textile. "Textile" defined as any woven, looped or felted thread or fiber. *Focus is on 1) the mastery of one or more defined textile technique(s) used to complete a finished product 2) creativity and 3) master of the use of the elements and principles of design.* Examples: toy/game (rug for doll house, doll, ball, etc.), home décor (doily, table scarf, pillow, coaster, wall hanging, plant hanger, small basket, linen - dish cloth, scrub, towel, pillow cover, etc.), clothing/fashion accessory (hat, scarf, purse/bag, jewelry, etc.) or **similar** small item. *Any skill technique listed in classes 43, 45-48 are not to be exhibited in this class.*

45. **Needle Art by Hand:** Skill technique(s) being mastered/learned - hand embroidery, counted cross-stitch, needlepoint, crewel embroidery, needle punch or smocking applied to towel, pillowcase, garment, home accessory. Pictures must be framed. Base/foundation for needle art can be purchased or sewn by the exhibitor. *Focus is on 1) the mastery of one or more "hand" needle art technique(s), 2) creativity, and 3) master of the use of the elements and principles of design.*

46. **Needle Art by Machine:** **Simple** machine embroidery, cross stitch/decorative stitches, or applique applied to small decorative items, home accessories, towel, pillowcase, garment, picture, flag, banner, windsock, etc. Base/foundation for needle art can be purchased or sewn by the exhibitor. *Focused on 1) the mastery of machine created needle art techniques, 2) creativity, and 3) master of the use of the elements and principles of design. NO full size quilts.*

47. **Machine Pieced or Appliquéd Item** –Skill technique(s) being mastered/learned is machine piecing and/or applique in the creation of a “textile/fabric. From the piece, design and construct apparel, fashion accessory, or home décor item. *Focus is on 1) the mastery of one or more “machine pieced or appliquéd technique(s)”, 2) creativity, and 3) master of the use of the elements and principles of design.* Examples might include picture or wall art, pillow, bag, doll quilt, flag, banner, windsock, etc. **NO full size quilts.**

48. **Repurposed Textile Creation:** Item made from **repurposed textile** material/product which **can be worn/carried or used in the home.** MUST include before and after (a picture being worn or displayed, showing how it was designed to fit room décor) photos, a description of the process - inspiration/design process, who it was made for, why the need, any special considerations, or any other pertinent information supporting the finished product. *Focused on 1) appropriate use of repurposed textile, 2) quality of end product, 3) creativity, and 4) application of the elements and principles of design.* Attach See Recycle and Redesign instruction sheet.

Grades 7-12

5-4-3-2-1

Review section 306 general instructions. Project must have at least two (4) skills/techniques identified as appropriate for the ADC Level 3 or Level 4 project work. Some classes have specific skills/techniques which must be incorporated into the exhibit. See sample technique cards for some of the HTDC techniques.

49. **Stuffed animal, doll or puppet** with a minimum of two (2) hand and two (2) machine sewing techniques (i.e., embroidered/appliquéd/textile painted facial features, hair constructed from yarn/floss/fur, movable parts (arm, mouth, legs, etc.), use of fake fur, or any other **similar combination of techniques** showing mastery of skill/technique applied to the finished product.

50. **Decorative Textile Technique:** Create a piece of fabric **using two (2) or more decorative textile techniques** described in class 43. From the piece of fabric, design and construct apparel, fashion accessory, or home décor item. *Any skill technique listed in classes 51-56 are not to be exhibited in this class. Focus is on the 1) mastery of technique, 2) the creative and appropriate blending of two or more decorative textile techniques, 3) the fabric/trim fittingly showcased in a finished product, and 4) master of the use of the elements and principles of design.*

51. **Textile Fabric Creation:** Design and construction of an original textile [fabric or trim] using at least two (2) techniques described in class 44. Additional techniques might include but are not limited to hand spinning, cotton linter, and tatting. From the textile fabric, design and construct apparel, fashion accessory, or home décor item. *Focus is on 1) the mastery of two or more textile technique(s) used to produce a textile, 2) creative and appropriate use of the “textile” in finished product, and 3) mastery of the use of the elements and principles of design. Any skill technique listed in classes 50, 52-56 are not to be exhibited in this class.*

52. **Needle Art by Hand:** Two (2) or more of these “hand” technique(s). Techniques include but not limited to embroidery [floss, yarn (crewel) or ribbon], cross-stitch, needlepoint, needle punch, smocking, Trapunto quilting, hand quilting, or similar techniques. Base/foundation for needle art can be purchased or sewn by the exhibitor. *Exhibit must be a finished product, ready to display/use. Focus is on 1) the mastery of two or more “hand” needle art technique(s), 2) creativity, and 3) a mastery of the use of the elements and principles of design. This class is not intended for pieced quilts which do not fit the criteria described.* A pieced quilt would be exhibited in class 54 or 55.

53. **Needle Art by Machine:** Two (2) or more of these “machine” techniques: original free motion embroidery/thread painting, “modified” commercial/software-based embroidery design (must *describe modification(s) on skill mastery sheet*), Trapunto quilting, quilting, applique, or other advanced needle art technique(s) applied to clothing, fashion accessory or home/school/office décor. Base/foundation for needle art can be purchased or sewn by the exhibitor. *Focus is on 1) the mastery of two or more “machine” created needle art techniques, 2) creativity, and 3) a mastery of the use of the elements and principles of design.* **This class is not intended for pieced quilts which do not fit the criteria described.** A pieced quilt would be exhibited as class 54 and 55.

54. **Hand Pieced and/or Hand Appliquéd Item finished with Hand quilting. Piecing and/or applique and quilting MUST have been done by hand, not by machine.** Examples might include picture or wall art, pillow, bag, doll quilt, table runner, lap robe, etc. *Focus is on 1) the mastery of “hand work,” 2) creativity and 3) the mastery of the use of the elements and principles of design.*

55. **Machine Pieced and/or Machine Appliquéd Item finished with Machine Quilting.** Quilting must be done by the exhibitor. Examples might include picture or wall art, pillow, bag, doll quilt, lap robe, table runner, etc. *Focus is on 1) the mastery of one or more “machine pieced or appliqued technique(s),” 2) creativity, and 3) mastery of the use of the elements and principles of design.*

56. **Repurposed Textile Creation: Item made from repurposed textile material/product which can be worn, used in the home, at school, in the office, on the job, car/boat/vehicle, etc.** MUST include before and after (a picture being worn or displayed, showing how it was designed to fit room décor) photos, a description of the process - inspiration/design process, who it was made for, why the need, any special considerations, or any other pertinent information supporting the finished product. *Focused on 1) appropriate selection of textile, 2) appropriate construction techniques for end use, 3) creativity, and 4) the use of the elements and principles of design.* See Recycle and Redesign instruction sheet.

All Grades - HTDC

57. **Hobbies and Textiles Design Project Portfolio:** A portfolio is a great record keeping tool. It will be a valuable source for ideas and future projects, a place to share any project work done in HTDC and provide a place to show samples of new techniques or knowledge explored in HTDC. It is a notebook with three (3) sections – 1) Projects/Products, 2) Sample Technique Pages and 3) Creative Inspirations and Ideas. See Design Portfolio instructions. All Portfolios, regardless of grade, will be judged together.

58. **Quilts of Valor Community Service** – Group or individually constructed quilt, constructed for the express purpose of being presented to a Veteran as part of the Quilts of Valor program. When available, attach the presentation script used in the Awards Ceremony or a copy of the report submitted to Quilts of Valor (<https://www.qovf.org/take-action/report-a-quilt-of-valor-award/>). Pictures of the presentation welcome. Be sure to have the veteran’s approval to use their picture for display.

SECTION 307

BABYSITTING/CHILD CARE

A county may enter one exhibit in each class. Individual 4-H member can enter one exhibit per class in appropriate grade group. Please reference the State 4-H

Website

<https://4-hmilitarypartnerships.org/resources/educator-resources/youth-babysitting>

for literature listed below.

Junior (Grades 3-7)

3-2-1-1-1

1. **Baby Book** - Any practical size, minimum of five (5) pages covering at least 9 to 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 (2) distinct age and ability levels. Each puzzle must have its own storage container. Puzzles must be sturdy and covered so they can be cleaned with damp cloth. Describe the child for whom each puzzle would be appropriate by giving child's age, interest, and 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 13. Commercially made puzzles are not eligible.
3. **Child Care Poster** - Must be 14" x 22" and must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Text of poster should be visible for at least 10 ft. away. Choose one of these topics to develop poster: Behavior and Guidance--include pictures and fact about child development. (See Unit One, Pages 14-15 and No. 706); Safety Risks and Procedures--include common safety risks that a babysitter needs to be aware of and procedures to address the safety issue (See No. 575, Pages 4-7 Unit 1, pages 16-17; Unit 2, Pages 28-29; 4-H Army Child & Youth Services Babysitting Student Guide, pages 25-44); Ages and Stages of Development (No 575, page 10, 4-H Army Child & Youth Services Babysitting Student Guide, Pages 49-50)
4. **Basic First Aid Kit** - Create a basic first aid kit from scratch (not a purchased kit) that includes the basic supplies to take care of small accidents such as bumps, scrapes, stings, and sprains. Include an emergency contact list in the first aid kit that includes but is not limited to: Emergency numbers for police, fire department, poison control, veterinarian, etc. Include a supply list and the cost to put the kit together. The kit should be in a container with a lid or zipper closure. Make sure there is a label on the kit that identifies it as a "First Aid Kit." (See 4-H Army Child & Youth Services Babysitting Student Guide, pages 37-41)

Senior (Grades 8-12)

3-2-1-1-1

5. **Children's Book** - Written, illustrated, and constructed by 4-H'er. May be written for a specific with text relating to that child or for children of certain age range. Indicate appropriate age range. Construction paper, computer print-out, cloth or poster board may be used. Illustrations may be drawn, photographs, appliqués, magazine pictures or reassembled from other books. See no. 707, Books for Children. Do not confuse with Class 1, Baby Book.
6. **Surprise Suitcase** - Fill suitcase with homemade or store-bought items for children you baby-sit. Could include books, puzzles,

games, play dough, balls, and costumes. Indicate appropriate age child to use each item. Include records of how children have responded to materials. Package in suitcase that can be taken to the home. See No. 722, Child Care Kit. May include commercial puzzles. Contents need to be in a suitcase or a container with a lid.

7. **Create a Game** - Create a board game or card game to teach a specific topic to a child. Examples might include but are not limited to: Hygiene practices, exercise and fitness, safety, etc. Game boards must be 14" x 22" and must be permanently signed and dated on the back prior to lamination. 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 & NUTRITION FAIR EXHIBITS

- Individual 4-H members can enter one exhibit per class but are restricted to those exhibits designed for his/her grade group. Educational exhibits must fit 3'x 4' (width x depth) space, with sides extended. Exhibits must be free standing with sides attached. Poster must be constructed on poster board 14" x 22".
- Posters and displays must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked. Text of posters and displays should be readable from at least 10ft. away.
- 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 (2) 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 may be evaluated for taste in addition to traditional attributes.
- Resources can be found at:
<https://4h.okstate.edu/events/okc-tulsa-state-fair/index.html> and
<https://4h.okstate.edu/projects/nutrition-health-wellness/index.html>
- Only the top 5 exhibits in each food preparation class will be displayed. All other exhibits may be picked up after judging is complete. Any exhibit not picked up the day of judging will be disposed of by fair officials.

FOOD PREPARATION EXHIBITS

Only one piece of 1st through 5th place food preparation exhibits will be displayed.

Non-placing exhibits will be discarded if not picked up.

LEVEL TWO – Grades 3-5..... 4-3-2-1-1

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 – Grades 6-8..... 5-4-3-2-1

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

LEVEL FOUR – Grade 9-12..... 5-4-3-2-1

7. One-half loaf or portion of breads from another culture. Include a one (1) 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)
9. Two-crust fruit pie – 9" or 10" disposable pie pan. Crust and filling must be made by exhibitor.

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 – Grades 3-5..... 4-3-2-1-1

10. One (1) pint or half (½) pint jar of jam or jelly processed in boiling water canner
11. Two (2) pieces of fruit leather
12. One (1) pint or half (½) pint of salsa/picante sauce

LEVEL THREE – Grades 6-8..... 5-4-3-2-1

13. One (1) pint jar cucumber pickles or vegetable relish
14. One (1) pint or quart of any single canned fruit (not pickled)
15. Dried Fruit (½ cup of a single dried fruit). Display in a sealed plastic sandwich/freezer bag

LEVEL FOUR – Grades 9-12..... 5-4-3-2-1

16. One (1) pint or quart jar pressure canned vegetables (no tomatoes or pickles)
17. One (1) quart or one (1) pint jar of plain canned tomatoes
18. Dried Vegetable (½ cup of a single dried vegetable). Display in a sealed plastic sandwich/freezer bag

4-H FOOD SCIENCE & NUTRITION POSTER & EDUCATIONAL DISPLAYS

Posters and Educational Displays must be permanently signed and dated on the back prior to lamination. Judging committee may mark or punch if not marked.

Text of posters and displays should be readable from at least 10 ft. away. Posters

size is 14" x 22" and Educational Displays should be no larger than 3' x 4'

(depth x width) and self- standing.

DIVERSITY EXHIBITS

LEVEL TWO – Grades 3-5

4-3-2-1-1

19. Educational poster based on breads *or* cheeses of another country or countries.

LEVEL THREE & FOUR – Grades 6-12 **5-4-3-2-1**

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

NUTRITION EXHIBITS

LEVEL TWO – Grades 3-5 **4-3-2-1-1**

21. Educational poster based on recipe modification for healthful eating

LEVEL THREE – Grades 6-8 **5-4-3-2-1**

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

LEVEL FOUR – Grades 9-12 **5-4-3-2-1**

23. Educational display based on a recipe modification to include:
- a. Original recipe and what modifications were made- Benefits of the modifications
 - b. How did the modifications impact the above factors?
 - c. What were other people's responses to the modifications?

FOOD OR KITCHEN SAFETY EXHIBITS

LEVEL TWO – Grades 3-5 **4-3-2-1-1**

24. Educational poster based on food or kitchen safety

LEVEL THREE – Grades 6-8 **5-4-3-2-1**

25. Educational poster based on protein food safety

LEVEL FOUR – Grades 9-12 **5-4-3-2-1**

26. Educational poster based on outdoor cookery or grilling

OTHER EXHIBITS

LEVEL TWO – Grades 3-5 **4-3-2-1-1**

27. Educational poster illustrating a place setting for a specific occasion or menu
28. Bicycle Poster – Create a poster on one of the following: a) bicycle safety b) bicycling as part of healthy living c) maintenance of bicycles.

LEVEL THREE – Grades 6-8 **5-4-3-2-1**

29. Educational display based on a breakfast buffet theme. Should include menu, buffet layout, decorations, invitations, and any additional information
30. Bicycle Poster – Create a poster on one of the following: a) bicycle safety b) bicycling as part of healthy living c) maintenance of bicycles.

LEVEL FOUR – Grades 9-12 **5-4-3-2-1**

31. Educational poster based on careers in the food industry
32. Bicycle Poster – Create a poster on one of the following: a) bicycle safety b) bicycling as part of healthy living c) maintenance of bicycles.

SECTION 309
PERSONAL DEVELOPMENT

- All curriculum for Personal Development are posted on the Oklahoma 4-H website at: <https://4h.okstate.edu/projects/personal-development/index.html>
- **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 is 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 grade division (beginner, intermediate, advanced). Specific activities are required for each grade division and other activities are optional. The Heritage Scrapbook should grow each year! All instructions for completing the Heritage Scrapbook are provided in each activity in the Heritage Scrapbook manual. The score sheet for evaluating the Heritage Scrapbook is included in the manual and Picture Perfect YOUth Leader Guide. Please note that instructions for activities in the Heritage Scrapbook are in BOLD in each lesson. Make sure you refer to the score sheets to double check that all required information is included in the scrapbook for each activity.
- **Scrapbooking Classes** – The 4-H 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.

Beginner Level (Grades 3-5)

3-2-1-1-1

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 2024 entry is as follows: Your grandmother who lives out of state sent you a \$100 gift card to your favorite online store. Include in your thank you note how you plan to spend the money.*

4. **My Hands of Service Display** – Picture Perfect
YOUth Beginner Manual: Helping Hands in Action,
Page 62
5. **Emergency Preparedness Kit** – Picture Perfect YOUth
Beginner Manual: Safe in My World, page 87
6. **Heritage Scrapbook** – *Required activities:* My Family Tree, Picture This,
My Heredity Profile, this is Me. *Optional activities:* Preserving my Family
Traditions and Customs, Digital Scavenger Hunt, Can I Interview You?
7. **Scrapbook** – 4-6 pages (pages counted just like pages of a book, not
plastic sleeves.) Scrapbooks should center around a specific theme such
as 4-H projects, family vacations, birthday celebrations, a specific
family holiday, etc.

Intermediate Level (Grades 6-8)

3-2-1-1-1

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

Advanced Level (Grades 9-12)

3-2-1-1-1

15. **Goal Setting Collage Poster**-- Picture Perfect YOUth Advanced
Manual: BeSMART About Goals, page 15
16. **The Who, What, Why and How of an Interview Creative Writing Poster**
-- Picture Perfect YOUth Advanced Manual: Communicating Well
with Others, page 34
17. **Teambuilding Game Display** -- Picture Perfect YOUth
Advanced Manual: Teamwork: Towering to Success,
page 53
18. **My BEST Marketable Skills Display** -- Picture Perfect
YOUth Advanced Manual: Making Your Mark! page 73
19. **Vehicle Emergency Kit** -- Picture Perfect YOUth
Advanced Manual: Destination: Safe, page 81
20. **Heritage Scrapbook** -- *Required activities:* My Family Tree, Picture This,

- My Heredity Profile, this is Me, My Day in History, Letter Writing: A Lost Art, Favorite Family Recipe, Hello. My Name is..., My Family Genogram, My Life Timeline, Cultural History Exploration, Family Holidays. *Optional activities:* My Family Poem, Digital Scavenger Hunt, Can I Interview You?
21. **Scrapbook** – 12-16 pages (pages counted just like pages of a book, not plastic sleeves.) Scrapbooks should center around a specific theme such as 4-H projects, family vacations, birthday celebrations, a specific family holiday, etc.

SECTION 310

4-H

POSTMARK

- 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 of any color in a binder. All entries are limited to 30 pages for the collection, plus an additional page for the objective of the collection. Plastic cover pages are acceptable to protect the mounts. Any class may be illustrated. The criteria for judging will be: 1) Appearance and neatness; 2) readability; 3) material relates to chosen topic; 4) brief written description telling purpose or objective of your collection.
- **NOTE: Metered postage marks must not be used in non-metered class exhibits and non-metered postmarks in metered classes.**
- 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 grade group.

Beginning Level (Grades 3-5):

5-4-3-2-1

1. Postmark for 10 post offices in home county or surrounding area
2. 30 Oklahoma postmarks
3. 20 topical (any category)
4. 25 Metered postage marks

Intermediate Level (Grades 6-8):

5-4-3-2-1

5. 30 hand cancelled
6. 10-30 postmarks that tell a story
7. 30 or more different slogans
8. 30 topical (any category)
9. 30 metered postage marks

Advanced Level (Grades 9-12):

5-4-3-2-1

10. 100 or more hand cancelled postmarks
11. 30-75 postmarks that tell a story
12. 50 or more different slogans
13. 50 or more topical (any category)
14. 50 metered postage marks

SECTION 311 4-H ELECTRIC EXHIBIT

- All exhibits must illustrate applications and utilize electrical energy. The exhibit must have been constructed by the exhibitor during the year exhibited and must meet electrical safety standards.
- All exhibits, except lamps, will be judged on electrical wiring and connections, electrical components, usefulness of exhibit, working condition, complexity and design, appearance, originality, workmanship, and safety. Lamps will be judged as described for each class.
- A 4-H member can have only one (1) exhibit in each class. Exhibits should be permanently signed and dated on the bottom or in another inconspicuous location. If not marked, judges may mark or punch.

All Grades

5-4-3-2-1

1. **Electrical projects (Grades 3-7)** - Entries to include electromagnets, motors, buzzers, and direct current circuit boards
2. **Kit Lamps (Kit Construction)- (all grades)** - 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 grades)** - 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. **Educational Poster on careers in the electrical field - (all grades)** - Posters must be 14" x 22"
5. **Electric and Electronic Circuits - (Grades 3-7)** - 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 - (Grades 8-12)** - 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 - (Grades 3-7)** - 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 - (Grades 8-12)** - Exhibit of wiring diagram for a home, other building, or electric supply system for a community.
9. **Electric Concepts Poster – (Grades 3-7)** – 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 - (Grades 8-12)** - Poster (14" x 22"). Exhibit is on information that consumers might use in making a selection of any electronic devices such as computers, games, telephones, lighting fixtures, bulbs, or other electronic device.

SECTION 312

MODEL

ROCKETRY

- Posters must be 14" x 22". Exhibitors are encouraged to heat laminate all posters or cover them with clear plastic film. Display boards should be limited to a maximum of 2' x 3' and must have a single 1/4" hole drilled at the top center of board to allow for display. **NO LIVE ROCKET ENGINES WILL BE ALLOWED IN ANY EXHIBIT.** Text of posters and displays should be readable from at least 10 ft.
- 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
 - Grade 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.

Junior Division (Grades 3-7)

2-1-1-1

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. (These rockets include water rockets, air power rockets, or any rocket built without a commercial kit.)
6. Launched rocket-Rocket must have been launched prior to the State Fair. Please include a 3"x5" card stating approximate height rocket flew during launch.
7. Poster on any other topic pertaining to rocketry. (Examples: History of Rocketry, NASA Rockets, Commercial Rockets, Recent Rocket Launches, Purpose of Rockets, Rocket designs, etc.)

Senior Division (Grades 8-12)

4-3-2-1-1

8. Poster or display showing the parts of a model rocket, with an explanation of the purpose of each part.
9. Poster or display explaining the function of the model rocket engine.
10. Poster or display showing one or more points from model rocketry safety code.
11. Model Rocket made from a kit. Must be safe and functional for flight.
12. Model Rocket designed and built by exhibitor. Must be safe and functional for flight. (These rockets include water rockets, air power rockets, or any rocket built without a commercial kit.)
13. Launched rocket-Rocket must have been launched prior to the State Fair. Please include a 3"x5" card stating approximate height rocket flew during launch.
14. Poster on any other topic pertaining to rocketry. (Examples: History of Rocketry, NASA Rockets, Commercial Rockets, Recent Rocket Launches, Purpose of Rockets, Rocket designs, etc.)

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, planning, alignment of joints, neat use of fasteners (nails, screws, etc.), and careful application of finishes. Judging will focus on the evidence of these skills.
- These exhibits will consist of articles made by 4-H Club members the past year. The project is not limited to current project idea sheets. It must be proportional and functional and include the same techniques as the listed classes.
- Miscellaneous and refinished class items should be similar in size to the exhibits in the classes listed for the grade division. 4-H member can enter only one exhibit per class and is restricted to exhibits designed for his or her grade 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.

Junior is grades 3-7

Senior is grades

8-12 WOOD

SCIENCE

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

Beginning Level (Grades 3-5)

4-3-2-1-1

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 (Grades 6-8)

5-4-3-2-1

10. Bookcase or entertainment center (without doors)
11. Rack for guns, baseball bats, fishing rods, etc.
12. Refinished item - attach before picture & story with history of item, cost sheet, and description of process used
13. Miscellaneous

Advanced (Grades 9-12)

6-5-4-3-2

14. Display, curio, or gun 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

4-3-2-1-1

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

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:
<https://4h.okstate.edu/projects/shooting-sports-curriculum/site-files/docs/shooting-sports--project-prep-guide-updated-logo.pdf>
- Posters must be 14" x 22". For display purposes, exhibitors are encouraged to laminate all posters or cover them with clear plastic film. Posters must be permanently signed and dated on the back. If not marked the judging committee may mark or punch. Posters may be horizontal or vertical. Text of poster should be readable from at least 10 feet away.
- Educational display must be three dimensional should be mounted on a freestanding display board not to exceed 36" x 36" (width x depth) when the sides are extended for display. Commercially available "Science Fair Presentation Boards" are recommended.
- If you use text, pictures, drawings, artwork, or other information not created by you in your exhibit you must cite the source.

Junior Division (Grades 3-7)

4-3-2-1-1

- An explanation must be attached to and/or included in each exhibit listed below describing the subject and what is being illustrated.
 1. ARCHERY SAFETY: any related item made
 2. ALL OTHER DISCIPLINE SAFETY: any related item made
 3. ARCHERY: any related item made
 4. AIR PISTOL: any related item made
 5. AIR RIFLE: any related item made
 6. .22 RIFLE: any related item made
 7. SHOTGUN: any related item made

8. 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.)

Senior Division (Grades 8-12)

5-4-3-2-1

- An explanation must be attached to and/or included in each exhibit listed below describing the subject and what is being illustrated.
9. ARCHERY SAFETY: any related item made
 10. ALL OTHER DISCIPLINE SAFETY: any related item made
 11. ARCHERY: any related item made
 12. AIR PISTOL: any related item made
 13. AIR RIFLE: any related item made
 14. .22 PISTOL: any related item made
 15. .22 RIFLE: any related item made
 16. SHOTGUN: any related item made
 17. MUZZLE LOADING: any related item made
 18. 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.)

SECTION 315

ENTOMOLOGY - 4-H INSECT

EXHIBITS

- The exhibits in entomology are planned to build on prior educational experience.
- A 4-H member may enter only one insect collection. 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>.
- Exhibit collections for Classes 1 through 5 are allowed a maximum of five (2) foreign and/or out-of-state collected insects.
- Exhibits in Class 1 (First Year) must be displayed in the folding insect storage box which can be purchased in bulk at <http://www.bioquip.com/search/DispProduct.asp?pid=1002F> or individually from the State 4-H office and covered with plastic wrap.
- Exhibits in Classes 2 through 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/state-events-activities/oklahoma-state-fairs/ENTOMOLOGYEXHIBITDISPLAYBOX.pdf>. **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 building upon your previous collections.
- For more information, instructions, and judging criteria, please see the State 4-H Website.

Class:

4-3-2-1-1

1. **First Year** - The exhibit shall consist of 25 adult insects (representing at least 5 orders) which are displayed in Folding Insect Storage Box 9”x13”x2.5”. This box can be purchased in bulk at <http://www.bioquip.com/search/DispProduct.asp?pid=1002F> or individually from the State 4-H office. Cover with plastic wrap.
2. **Second Year** – The second-year exhibit shall consist of 40 adult insects (representing 8 orders) which are displayed in the insect display box as indicated above.
3. **Third Year** - The third-year exhibit shall consist of 50 adult insects (representing 10 orders) which are displayed in the insect display box as indicated above.
4. **Fourth Year** - The fourth-year exhibit shall consist of 75 adult insects (representing 12 orders) which are displayed in the insect display box as indicated above.
5. **Fifth Year and Beyond** - The exhibit shall consist of 100 adult insects (representing 14 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. At least one-third of the specimens in any collection must have been collected during the current project year building upon your previous collections.
6. **Self-Determined Entomology Exhibit** - Designed to allow exhibitors to prepare educational Entomology exhibits. Exhibits should be educational, neat, and attractive and easy to understand. A one-page written report explaining the nature or purpose of the project must accompany the exhibit.
 - a. **Careers in Entomology**
 - b. **Biodiversity- the roles insects play in the ecosystem**
 - c. **Invasive species**
 - d. **Integrated Pest Management**

4-H HONEY EXHIBIT

3-2-1-1-1

- Only one (1) exhibit allowed in each class per individual.
 - Honey should be placed in colorless, one-pint honey jars or standard, colorless one-pint fruit jars such as those made by Kerr, Ball, Mason, etc. Other types of jars will be rejected. Jar covers should be new if possible and should be screwed on tightly to prevent leakage. There should be 1/4"-1/2" air space below the lid.
 - Honey should be clear and free from foreign particles.
 - Comb honey should be perfectly capped, free from stains, bee-bread and fingerprints. Edges should be clean-cut, not ragged. One (1) piece only in each jar as wide as jar mouth will permit and 3.5-4 inches in length.
 - Labels should be neat and plainly written or printed and include: Name, Club, Type of Honey, and Month and Year Collected.
7. Comb Honey, one pint jar
 8. Extracted Honey, one pint jar

SECTION 316

4-H

FORESTRY

- A member may enter one exhibit per class, but is restricted to only those exhibits designed for his or her grade group.
- Forestry boards and exhibits must be signed and dated on the back by the exhibitor. Two holes ½ inch in diameter and 1 inch from top should be drilled in the wood board to facilitate displaying the exhibit.

TREE LEAF 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)

<https://4h.okstate.edu/projects/environmental-science/site-files/docs/forestry/collecting-and-exhibiting-tree-leaves.pdf>

Grades 3-5 3-2-1-1-1

1. 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.

Grades 6-8 4-3-2-1-1

2. 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.

Grades 9-12 5-4-3-2-1

3. 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 grade group in Oklahoma 4-H Fact Sheet #238 "Wood Sample Exhibits" (revised 2/2007 **ALL MEMBERS SHOULD USE THE GUIDELINES FOR CLASS II EXHIBITS**)

<https://4h.okstate.edu/projects/environmental-science/site-files/docs/forestry/wood-sample-exhibits.pdf>

ALL GRADES

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

SELF-DETERMINED EXHIBIT

NOTE: Open to 4-H members of all grades. Exhibit suggestions are listed in 4-H Members Guide, "4-H Forestry Self-Determined Exhibits." Pub. #239 (revised 3/05)

<https://4h.okstate.edu/projects/environmental-science/site-files/docs/forestry/forestry-self-determined-project.pdf>

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".

5. Self-determined exhibit, **Grades 3-7**
6. Self-determined exhibit, **Grades 8-12**

SECTION

317

GEOLOGY

- Any eligible 4-H member may participate in collecting, identifying, and preparing rock-mineral-fossil exhibit. Individual 4-H member can enter only one exhibit per class.
- Rock-mineral-fossil exhibitors should securely mount their specimens in a box no larger than 24" x 24". Box can be wood, plastic or cardboard but have a method of covering the rocks, minerals, and fossils.
- Each sample should be mounted or in a compartment 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.

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

Energy/petroleum exhibits

Junior Division (Grades 3-5) 3-2-1-1-1

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.

Intermediate Division (Grades 6-8)

4-3-2-1-1

6. 6. 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.
7. 7. 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.

Senior Division (Grades 9-12)

4-3-2-1-1

8. Poster of a press release; collected about energy information and your interpretation; possibly the Energy Index or other topic. Include the source of

information on poster.

9. 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.

SECTION 318 4-H WILDLIFE PROJECTS

- 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 <https://4h.okstate.edu/projects/environmental-science/index.html>
- • List of links for facts sheets listed in the below category-Lit #721 -Self determined 4-H Wildlife and Fisheries Project Ideas:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlife-and-fisheries/self-determined-wildlife-and-fisheries-project-ideas-721.pdf>
- Lit #719 – Food and Cover Cards:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlifeand-fisheries/wildlife-food-and-cover-card-719.pdf>
- Lit #473 – Animal Tracks:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlife-andfisheries/animal-tracks-473.pdf>
- Lit #620 – Introduction to Birding:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlifeand-fisheries/introduction-to-birding-620.pdf>
- Lit #621 – Using Binoculars:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlife-andfisheries/using-binoculars-621.pdf>
- Lit #622 – Bird Identification:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlife-andfisheries/bird-identification-622.pdf>
- Lit #723 – Bird Feeder Station Report:
<https://4h.okstate.edu/projects/environmental-science/sitefiles/docs/wildlife-and-fisheries/bird-feeding-station-report-723.pdf>
- Lit #724 – Bird House Observation Report:
<https://4h.okstate.edu/projects/environmental-science/sitefiles/docs/wildlife-and-fisheries/birdhouse-observation-report-724.pdf>
- Lit #772 – Birds and Nests Observation:
<https://4h.okstate.edu/projects/environmental-science/sitefiles/docs/wildlife-and-fisheries/bird-and-nest-observation-772.pdf>
- Lit #237 – Leaf Presses and Collecting Hints:
<https://4h.okstate.edu/projects/environmental-science/sitefiles/docs/wildlife-and-fisheries/leaf-presses-and-collecting-hints-237.pdf>
- Lit #718 – Wildflower Card:
<https://4h.okstate.edu/projects/environmental-science/site-files/docs/wildlife-andfisheries/wildflower-card-718.pdf>

Include references for information. At least one reference must be from a source other than the internet.

All exhibits on boards must have hangers. Eye screws and wire preferred. No

saw-toothed hangers.

OKLAHOMA WILDLIFE

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

Junior (Grades 3-7)

4-3-2-1-1

1. 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.)
2. Self-Determined Exhibit. Posters must be 14” x 22”. Displays must not exceed 3’ x 4’. (width x depth).

Senior (Grades 8-12)

5-4-3-2-1

3. Educational Poster (must be 14”x22”) on careers in Natural Resources.
4. Self-Determined Exhibit. Posters, must be 14” x 22”. Displays must not exceed 3’ x 4’ (width x depth). Possible examples include but are not limited to: description of a Wildlife Management Area detailing area, location, habitat, management, and wildlife population trends (if known); or a poster with an emphasis on the life cycle, status, range map and habitat of an Oklahoman threatened or endangered species. Species names must be used for plants and wildlife in addition to common names. See Lit. #721 “Self Determined 4-H Wildlife and Fisheries Project Ideas” revised 12/06 for additional examples.

All Grades

5. 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. 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 (Wildlife Food and Cover Card Lit #719)
6. Exhibit of the tracks of eight (8) wild animals or birds commonly found in Oklahoma. POSITIVE or NEGATIVE 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.
7. Wildlife Single Photo Entry illustrating one of the following 1) wildlife in its natural habitat 2) interaction between two or more wildlife species 3) wildlife displaying a unique behavior 4) an animal at the zoo. Prints must be no smaller than 3.5 inch x 5 inch and no larger than 5 inch x 7 inch. 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.

4-H FISHERIES

Junior (Grades 3-7)

3-2-1-1-1

8. Display board showing steps in tying two kinds of fishing knots 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) fish 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.

Senior (Grades 8-12)

4-3-2-1-1

12. Notebook describing habits and appearance of ten (10) fish 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.

- o 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.

- o 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.

o

- o **4-H BIRDS**

Junior (Grades 3-7)

3-2-1-1-1

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.

Senior (Grades 8-12)

4-3-2-1-1

- 20. Notebook of twenty-five (25) pictures, drawings or photos of birds seen and identified by member and labeled with common name of each.
- 21. Display of a Purple Martin bird house, home constructed (may be from a kit). **Should be functional and not decorative.**
- 22. Self-Determined Bird Project. If poster, must be 14" x 22". If display must not exceed 3' x 4' (width x depth). See Lit. #721 for additional examples.

All Grades

- 23. Observation report for Bird Feeder used during previous year, including photo of feeder at location used (Lit. #723) May use feeder constructed or a purchased feeder.
- 24. Observation report for Bird House used during previous year, including photo of feeder at location used (Lit. #724) May use birdhouse constructed or a purchased house.

4-H WILDFLOWER STUDY

- At least one-third of the specimens must have been collected during the current project year. See information on pressing plants in "Leaf Pressing and Collecting Hints" 4-H Publication No. 237 (Revised 04/04) to prepare plants for collections and exhibits. Posters should be hand generated and not downloaded from internet or computer. "Wildflower Card" (OK 4-H Lit. #718) can be downloaded from OK 4-H Lit. On-Line under Wildlife & Fisheries.
<https://4h.okstate.edu/projects/environmental-science/index.html> Please print form on card stock or heavy paper and hole punch.

Junior (Grades 3-7)

3-2-1-1-1

- 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. 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. Posters must be 14" x 22" or display in a notebook.
- 28. Self-Determined Poster (14" x 22"). See Lit. #721 for additional examples.

Senior (Grades 8-12)

4-3-2-1-1

- 29. 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.
- 30. Poster on the historical and/or cultural uses of wildflowers in Oklahoma. Poster must be 14" x 22".
- 31. Special collections. Collection of specimens in some special category, i.e., one (1) family, poisonous, dyes, edibles, or specific season such as early spring. Posters must be 14" x 22" or displayed in a notebook. card stock papers or wildflower cards (Lit. # 718).
- 32. Self-Determined Exhibit. If poster must be 14" x 22". Display must not exceed 3' x 4' (depth x height). See "Self-Determined 4-H Wildlife & Fisheries Project Ideas" Oklahoma 4-H Pub. #721 for ideas.

All grades

33. Make a collection, mount and press, at least five (5) leaves of plants showing leaf arrangements (opposite, alternate and whorled); types of leaves (simple, pinnately compound, palmate 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).

SECTION 319 ENVIRONMENTAL STEWARDSHIP

- A 4-H member may enter one exhibit per class but is restricted to those exhibits designed for his or her grade 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 10 feet 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 <https://4h.okstate.edu/projects/environmental-science/index.html>

Vermi Composting (with Worms) (grades 3-7)

4-3-2-1-1

1. Compost sample and poster that explains how to compost with worms. Must include report (1 page) 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.

Exploring Streams and Lakes Poster (grades 3-7)

4-3-2-1-1-

2. 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. Changes should be shown over time for projects after the first year. Poster title should include name of water body, if it has one, and town or county where located.

Water Critters (Grades 3-7)

4-3-2-1-1

3. 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. **Where Does My Water Come from Poster (Grades 3-7)**
3-2-1-1-1?

4. (14" x 22") showing or describing the source of your water (lake, aquifer, and 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.

Natural Resources of My County Poster (Grades 3-7) **3-2-1-1-1**

5. 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.

Recycled Item – (Grades 3-7) **3-2-1-1-1**

6. Useable item made from trash other than craft type item. Original ideas and useful items will be ranked higher. Attach 3" x 5" card listing all materials used.

Aquatic Habitat Poster (Grades 3-7) **4-3-2-1-1**

7. 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. Changes should be shown over time for projects after the initial year. Poster title should include name of water body, if it has one, and town or county where located.

Homemade Stream/Lake Sampling Equipment (Grades 3-7) **4-3-2-1-1**

8. 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.

What Is a Watershed? – Poster (Grades 8 -12) **4-3-2-1-1**

9. (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.

Natural Resources of My County Poster (Grades 8-12) **4-3-2-1-1**

10. 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.

Stream, Pond or Lake Poster (Grades 8-12) **5-4-3-2-1**

11. (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.

Water Critters (Grades 8 -12)

5-4-3-2-1

12. 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.

Homemade Stream/Lake Sampling Equipment (Grades 8 -12)

5-4-3-2-1

13. 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.

Illegal Dumping - Poster (Grades 8 -12)

5-4-3-2-1

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

Landfill Display (Grades 8-12)

5-4-3-2-1

15. Display showing how landfills work. Display must fit a space that is 3' by 4' (width x depth) when sides are extended for display.

Recycled Item – (Grades 8 -12)

5-4-3-2-1

16. Useable item made from trash other than craft type item. Original ideas and useful items will be ranked higher. Attach 3" x 5" card listing all materials used

Group Environmental Project Display (all grades)

6-5-4-3-2

17. 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 4' (depth x width). Judging criteria:

- A brief project description and statement of purpose and objectives.
- Creativity and quality of project.
- **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.**
- Media campaign. Include copies of newspaper clippings and other publicity related to the project.
- Photographs may be included.

Individual Self-Directed Environmental Stewardship Project (all grades)

6-5-4-3-2

18. 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 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.

4-H COTTON EXHIBIT — (20 Open Bolls) Exhibit to be shown with petiole attached, bract leaves removed and burr side up.

1. Any Variety

4-H CORN EXHIBIT — (10 ears)

2. Corn Ears

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

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

4. Grain Sorghum

4-H CANOLA EXHIBIT — (15 Pounds Grain)

5. Canola

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

<https://extension.okstate.edu/fact-sheets/maturity-classification-of-wheat-varieties.html> for suggested varieties.

6. Very Early and Early Maturity Hard Red Wheat Varieties

7. Medium Maturity Hard Red Wheat Varieties

8. Late and Very Late Maturity Hard Red Wheat Varieties

9. Hard White Winter Wheat Varieties

10. Any other wheat variety including Hard White Varieties and Soft Red Varieties

11. Oats, any variety

12. Rye, any variety

13. Barley, any variety

4-H LEGUME SEED EXHIBIT

14. Alfalfa (2 quarts)

15. Other small, seeded legumes, such as vetch, sweet clover, etc. (2 quarts)

16. Soybeans (1 peck)

17. Other large, seeded legumes, such as cowpeas, mung beans, winter peas, etc. (1 peck)

18. Peanuts, any type/variety (1 peck)

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 4' 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

19. Junior Division (Grades 3-7)

20. Senior Division (Grades 8-12)

CROPS IN OUR LIVES POSTER EXHIBIT

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

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

21. Grades 3-5

22. Grades 6-8

23. Grades 9-12

SECTION 321 FORAGE PLANTS

- 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 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 4'. 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 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.
 1. Forages with desirable grazing value for cattle
 2. Forages with undesirable grazing value for cattle
 3. Forages with desirable browsing value for wildlife (must specify species)
 4. Forages with undesirable browsing value for wildlife (must specify species)

SECTION 322

4-H HOME GARDENING

- Only one exhibit allowed in each class per individual.

Class

3-2-1-1-1

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, (Grades 3-7)

6-5-4-3-2

31. Senior Division, (Grades 8-12)

6-5-4-3-2

SELF DETERMINED GARDENING

- 32. Junior Division (Grades 3-7) Poster size is 14” x 22”. Other exhibits limited to 4’x4’x4’ due to space limitations
- 33. Senior Division (Grades 8-12) Poster size is 14” x 22”. Other exhibits limited to 4’x4’x4’ due to space limitations

**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.

1. Junior-(Grades 3-7)

4-3-2-1-1

2. Senior-(Grades 8-12)

5-4-3-2-1

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 <https://4h.okstate.edu/projects/plant-science-and-entomology/site-files/docs/horticulture-pdfs/herbarium-card.pdf>. 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.

Grades 3-5 **4-3-2-1-1**

3. A collection of 15 specimens with the following information: (1) common name, (2) general class, (3) kind of plant

Grades 6-8 **5-4-3-2-1**

4. 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

Grades 9-12 **6-5-4-3-2**

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

EXHIBIT UNIT III - GROUP OR CLUB EXHIBIT **6-5-4-3-2**

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.

Extent to which plan integrates total needs of area, short and long term.

Functional use and aesthetic considerations of horticultural materials and techniques.

Operational considerations of expenses encountered, resource personnel contacted and maintenance factors.

“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.

6. Group or Club Exhibit: 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.

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

Terrariums

1. Grades 3-5
2. Grades 6-8
3. Grades 9-12

4-3-2-1-1

DISH GARDENS

- Dish Garden of plant life. Please see OSU Fact Sheet HLA-6451 for more 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 Gardens should be no larger than 15 inches in diameter, length, width, or height, and weigh no more than 15 pounds and contain at least 80% living plant material.** Dish Garden should feature at least 3 different species of plants.
- 4. Grades 3-5
- 5. Grades 6-8
- 6. Grades 9-12

RESIDENTIAL LANDSCAPE DESIGN DRAWING

- Develop a landscape design/drawing for the provided residence. Base maps should be printed on 11" x 17". Once printed verify scale is 1 inch = 10 feet. 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. <https://agriculture.okstate.edu/departments-programs/hla/research-extension/youth/landscape-design-fair-entry.html>

COMPETITION GUIDELINES

- Use white 11" x 17" 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 3 ft or 5 ft wide
 - Patio(s) are required on the back of the house
 - In the drawings use a line to indicate the planting beds. All small trees, shrubs, and perennials should be inside a planting bed. Large trees could be found in the lawn or inside planting bed
- 7. Grades 3-5
- 8. Grades 6-8
- 9. Grades 9-12

HORTICULTURE IN OUR LIVES POSTER EXHIBIT

- Poster must be 14" x 22" and must be permanently signed and dated on the back prior to laminating. Judging committee may mark or punch if not marked. Text of posters should be readable from at least 10 feet away. Choose a fruit, vegetable, nut, spice, or beverage (tea, coffee, chocolate) crop, and create a poster depicting one of the following topics related to that crop:
 - History (domestication process, global spread via immigrants, etc.)
 - Production
 - Use in different cultures
 - Use in different processed foods
- 10. Grades 3-5
- 11. Grades 6-8
- 12. Grades 9-12

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.
 - 13. Grades 3-5
 - 14. Grades 6-8
 - 15. Grades 9-12
- 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.)

16. Grades 3-5

17. Grades 6-8

18. Grades 9-12

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 4' 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. 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 (Grades 3-7)

20. Sr. Division (Grades 8-12)

SECTION 325

4-H COMPANION ANIMALS AND LIVESTOCK

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 Civic Engagement 5) Career exploration in companion animals and livestock.

Animals for this section can be categorized as companion animals (birds, dogs, cats, fish, rabbits, guinea pigs, etc.) or livestock (beef, dairy, equine, goats, poultry, sheep, swine, etc). This section is not to include animals considered wildlife (deer, pheasants, wild birds, turkey, etc.)

Companion Animal and Livestock 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 Civic Engagement 5) Career exploration in companion animals and livestock..

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.

1. Jr. (Grades 3-7)

2. Sr. (Grades 8-12)

Companion Animal and Livestock 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 Civic Engagement 5) Career exploration in companion animals and livestock. Space for the booth is 3 feet x 4 feet (with sides extended for display.) Back can be 4 feet high. Display must be free-standing. Models, photographs, posters, or other means for display may be used. Display may be prepared by an individual or group from a county. Exhibit must prominently display a 4-H clover or mention 4-H.

3. Jr. (Grades 3-7)
4. Sr. (Grades 8-12)

Companion Animal and Livestock 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 Civic Engagement 5) Career exploration in companion animals and livestock. 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.

5. Jr. (Grades 3-7)
6. Sr. (Grades 8-12)

Companion Animal and Livestock 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 Civic Engagement 5) Career exploration in companion animals and livestock. Prints must be no smaller than 3.5-inch x 5 inch and no larger than 5-inch x 7 inch. 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.

7. Jr. (Grades 3-7)
8. Sr. (Grades 8-12)

Me and My Pet Journal A 3 ring binder, 3 inch 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.

9. ALL GRADES

Other Companion Animal and Livestock Items Exhibits must have a 3 x 5-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 Civic Engagement 5) Career exploration in companion animals and livestock. Posters, Photo, Displays and Journals are not allowed in this category. Exhibit Size limited to 4'x4'x4' due to space limitations.

- 10. Jr. (Grades 3-7)
- 11. Sr. (Grades 8-12)

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OKLAHOMA FFA ASSOCIATION COMPETITIVE EXHIBITS

Superintendents

Rose Bonjour – Agricultural Education Specialist, Central Area
Clark Long – Agricultural Education Specialist, Southeast Area
Allen Miller – Agricultural Education Specialist, Northwest Area
Hanna Brown – Agricultural Education Specialist, Northeast Area
Kurt Murray – Agricultural Education Specialist, Southwest Area

DIVISON RULES

All FFA members participating in the Tulsa State Fair will follow the FFA Code of Ethics and must be included on the local FFA roster. The Tulsa State Fair is not responsible for damage or loss of entries during the fair. For questions regarding FFA Exhibits and Contests, please contact the State FFA Office at (405) 743-5498.

IMPORTANT DATES FOR FFA EXHIBITS

Entry Deadline: Friday, September 20. All entries must be submitted online. Tags will be printed and available for pick up upon arrival.

Arrival: Monday, September 23. Central Park Hall will open for entries at 9:30 am. All FFA Exhibits must be in place by 6pm. Those schools exhibiting at the Arkansas – Oklahoma Fair in Fort Smith, AR may be granted special permission to bring only Ag Mechanics exhibits on Tuesday, September 24. Contact Hanna Brown for approval before September 20.

Judging: Tuesday, September 24 and Wednesday, September 25.

Tuesday, September 24: Agronomy & Horticulture

Wednesday, September 25: Ag Mechanics & Leadership

Placement of Exhibits: Thursday, September 26

Released: Sunday, October 6. Exhibits must be picked up between 8 am – 5 pm. All Items must be picked up by 5 pm. No items will be released prior to October 6. Not responsible for items picked up after 5:00 p.m.

ACADEMIC ELIGIBILITY

1. Youth who have been declared ineligible to participate in extracurricular activities by their local school administration will be declared ineligible to participate in this show.
2. Youth who are eligible on the first day of the Fair will be considered eligible through the duration of the Fair. Youth who are ineligible on the first day of the Fair will be considered ineligible through the duration of the Fair.
3. If an exhibitor is ineligible to participate in the Fair for any reason, including rules of the Oklahoma Secondary Schools Activity Association, the animals and other exhibits owned by the exhibitor are also ineligible for the Fair.
4. Ineligible youth who participate in the Fair will forfeit all Fair awards and will be subject to disciplinary action as provided by the local school policies.
5. It will be the responsibility of the local school administration to notify Fair Officials if a particular student is ineligible to participate.

LEADERSHIP: SECTIONS 400 - 404

SECTION 400 - FFA EDUCATIONAL BOOTHS

| CLASSES | |
|---|--|
| 1. Mechanical | Plaque & Ribbons 1 st – 5 th |
| 2. Non-Mechanical | Plaque & Ribbons 1 st – 5 th |
| 3. Overall Champion Educational Booth | Plaque & Rosette |
| 4. Overall Reserve Champion Educational Booth | Plaque & Rosette |

1. Purpose: To promote the benefits of enrolling in Agricultural Education and joining FFA. Booth will be of the type that could be used in a variety of settings, such as FFA Week booths, shopping center displays, local fairs, etc.
2. Booth will consist of a 6' tabletop display. The table must be a standard height (approximately 32" inches) and 28" to 34" wide. The display board will be constructed to an overall 4' x 8' size. The display is to be hinged to consist of two 2' wings and a 4' center back. The table will **NOT** be provided and must be 6' in length. **Absolutely no part of the display is to extend past the left, right or front sides of the six-foot table. Nothing can be placed in front of the display. Tabletop displays that are more than 6' tall above the table and/or are "top heavy" may be discounted in the scoring process or disqualified.**
3. All tables **must be skirted to the floor**. It is recommended that the back side of the display board be dark in color.
4. Tables will **NOT** be provided by the Fair. The chapter is responsible for bringing their own table and covering the top of the table and skirting the table on three sides from table top to floor. Electrical outlets will be provided, pending availability, an extension cord may be required and will **NOT** be provided. Due to space limitations, only a standard 6' folding table will be allowed to be used.
5. The current State FFA theme must be utilized. The Local Chapter name must be displayed.
6. Booth space will be assigned by the Superintendent upon arrival. Booths not meeting requirements nor following guidelines (size, theme, division, etc.) may be disqualified from the competition and/or removed from display area.
7. Booths will be divided into two divisions. The **Mechanical Division** will include booths with a moving display involving

powered devices. Examples may include water wheels, fans, rotating devices, talking booths and electronic devices.

The Non-Mechanical

Division includes booths with no powered displays. Non-mechanical booths may include lights that do not flash, move, or rotate. Chapters can enter in one division only.

8. Booths **MUST** be completely set-up before 6:00 PM. Any booth not set-up before 6:00 PM will not be judged and may not be displayed.
9. Scorecard for Educational Booths:

| | | |
|--|---|-----------------|
| PROMOTES BENEFITS OF AGRICULTURAL EDUCATION AND FFA (50 PTS.) | | |
| a. | Promotes at least one of the three components: Classroom, SAE, Leadership | 30 pts. |
| b. | Central Theme: Oklahoma FFA Alumni Leadership Camp Theme | 20 pts. |
| APPEARANCE (50 PTS.) | | |
| a. | Attention | 10 pts. |
| b. | Interest | 10 pts. |
| c. | Creativity | 10 pts. |
| d. | Neatness | 10 pts. |
| e. | Organization | 10 pts. |
| TOTAL POINTS | | 100 pts. |

SECTION 401 - FFA PHOTOGRAPHY SERIES

1. Oklahoma FFA members are required to include photographs as a part of their State FFA Degree scrapbooks, State Proficiency Award applications, Reporter Contest scrapbooks, as well as assisting with many chapter award applications which also require photographs. The purpose of the photography contest is to provide an opportunity for individual FFA members to showcase their talent in photography while preparing for these state award applications.
2. Entry must contain **five**, 5" x 7" or 4" x 6" color prints that **were taken by the member**. Only one entry per exhibitor.
3. The series must be mounted on **half** sheet poster board (approximate finished size 22" x 14"), or **half** sheet of foam or mat board (approximate finished size 20" x15") to be displayed for landscape view.
4. Pictures on newsprint or those that have been mechanically altered will not be accepted.
5. **Subject must relate to the member's Supervised Agricultural Experience program (SAE) or to FFA activities within their local chapter.**
6. Captions may be used with each picture. Captions are to be in 12-point font and not exceed 50 words per caption.
7. Entries will be judged on subject matter, effectiveness, photo quality and composition. The top 5 placing may be displayed.

| | | |
|--------------|---|---|
| CLASS | | |
| 1. | Photography Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Photography Grade 10 | Ribbons 1 st – 5 th |
| 3. | Photography Grade 11 | Ribbons 1 st – 5 th |
| 4. | Photography Grade 12 | Ribbons 1 st – 5 th |
| 5. | Overall Champion Photography | Rosette |
| 6. | Overall Reserve Champion Photography | Rosette |

SECTION 402 - FFA NEWS REPORTING

1. FFA members are encouraged to submit newsworthy articles and pictures about outstanding accomplishments of individual FFA members and/or their local chapter to all forms of print and broadcast media. The purpose of the News Reporting contest is to recognize individual FFA members for their talent and accomplishment in this area.
2. The news story must be in manuscript form with not more than three double-spaced typewritten pages. One, and not more than one, 4" X 6" or 5" x 7" color or black and white photograph must accompany the story. Each page of the story and the photograph must be mounted on **one full sheet** (22" x 28") **black** poster or **black** foam/matte board (22"x30"). Posters are to be displayed horizontally.
3. Subject must relate to Agricultural Education and/or FFA.
4. Entries will be judged on the basis of news value, readability and organization.

| | | |
|--------------|--|---|
| CLASS | | |
| 1. | FFA News Reporting Grades 8-9-10 | Ribbons 1 st – 5 th |
| 2. | FFA News Reporting Grade 11-12 | Ribbons 1 st – 5 th |
| 3. | Overall Champion FFA News Reporting | Rosette |
| 4. | Overall Reserve Champion FFA News Reporting | Rosette |

SECTION 403 - AGRISCIENCE PROJECT DISPLAY

1. The purpose of the Agriscience Project Display is to provide an opportunity for individual FFA members to compete in a science fair related to agriculture. Members who have developed a project based on the application of scientific principles and emerging technologies in agriculture are eligible. It is also designed to educate parents, school officials, and the public about career opportunities available for Agriscience students.
2. Categories are Animal Systems, Environmental Services/Natural Resource Systems, Food Products and Processing Systems, Plant Systems, Agricultural Power, Structural and Technical Systems and Social Systems. Tulsa State Fair

will not separate into divisions for ages or teams.

3. The Agriscience Project Display must meet size requirements for the National FFA Agriscience Fair.
4. Booth space will be assigned by the Superintendent upon arrival. Booths not meeting requirements nor following guidelines may be disqualified from the competition and/or removed from display area. Due to space limitations only the top 6 Agriscience Projects may be displayed.
5. Judging criteria for the Agriscience Project Display:
Creative ability/originality: 25 points, Scientific thought/goal: 25 points, Supporting evidence: 25 points, Booth appearance: 25 points,
TOTAL: 100 points
6. Ribbons awarded to 1st-5th in each category: Animal Systems, Plant Systems, Food Products & Processing, Environmental Science/Natural Resources, Power, Structural and Technical Systems, Social Science. Rosettes will be awarded to the Overall Champion & Reserve Champion Agriscience Project Display.

SECTION 404 - FFA CHAPTER LEADERSHIP SWEEPSTAKES

FFA Chapter Leadership Sweepstakes take the highest number of points accumulated in the leadership division.

Placing: **1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th**
Points: 10 9 8 7 6 5 4 3 2 1

| Placing | Points |
|------------------------|--------|
| Champion | 3 |
| Reserve Champion | 2 |
| Grand Champion | 6 |
| Reserve Grand Champion | 4 |

With upper limit on total number of exhibits in class: Example: Four entries in class, points awarded 4-3-2-1. Ten or more entries in class points awarded 10-9-8-7-6-5-4-3-2-1-0.

| CLASSES | | |
|---------|--|---------------------------|
| 1. | Grand Champion Leadership Sweepstakes | Plaque & \$250 |
| 2. | Reserve Grand Champion Leadership Sweepstakes | Plaque & \$150 |
| 3. | Bronze Leadership Sweepstakes | Plaque & \$100 |

AGRONOMY: SECTIONS 405 - 417

1. Any exhibits not displayed will be released at the completion of judging, Tuesday afternoon.
2. Exhibitor's name and chapter must be on entry tag. All entries must be listed in entry book and exhibit tagged.
3. **Entries are for individual FFA members only, must be a product of their own Supervised Agricultural Experience program and should be a product of their own production; not purchased, borrowed, leased or received through gift.**

SECTION 405 – AGRONOMIC CROP DISPLAY

An FFA member may exhibit one entry in this division. Crops used in this display should be common agronomic crops grown in Oklahoma. Display can be corn ears (10 ears), grain sorghum (10 heads), sunflower heads (2 heads), cotton (20 open bolls) or threshed grain (approximately one peck). All exhibits must be in a box with a sturdy, see through cover. **The display box is part of the exhibit and will be a part of the judging process. Each display should be identified with the common name of the agronomic crop displayed. The student's name, chapter and grade must be included on the entry card.** It is suggested that exhibitors use a display box that is similar to the blueprint provided on at <http://okffa.org/page.aspx?ID=13> "grain box blueprints". Must include a cover. Top 5-10 may be displayed. Only one exhibit allowed per individual.

| CLASSES | | |
|---------|--|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grade 10 | Ribbons 1 st – 5 th |
| 3. | Grade 11 | Ribbons 1 st – 5 th |
| 4. | Grade 12 | Ribbons 1 st – 5 th |
| 5. | Grand Champion Agronomic Crop Display | Plaque |
| 6. | Reserve Champion Agronomic Crop Display | Plaque |

SECTION 406 - FFA HAY SHOW

1. Limited to 5 entries per school per class and only one entry per student per class
2. Classes of hay will include legume and non-legume. One small square bale will constitute an entry. The bale may be broken by the judge for evaluation purposes.
3. Bales may be displayed outside for the duration of fair, or sprayed with fire retardant.
4. Protein analysis will not be used as criteria for judging.
5. Factors considered by the judge will include maturity, texture, leafiness, freedom from foreign material, color, size and shape of bales, odor and freedom from mold.

| CLASSES | | |
|---------|-------------------------------------|---|
| 1. | Legume | Ribbons 1 st – 5 th |
| 2. | Non-Legume | Ribbons 1 st – 5 th |
| 3. | Grand Champion Hay Exhibit | Plaque |
| 4. | Reserve Champion Hay Exhibit | Plaque |

SECTION 407 - AGRONOMIC HERBARIUM COLLECTION

This collection shall consist of dried and pressed specimens of flowers, stems, leaves and other specified parts of native and/or cultivated agronomic crops. Each complete specimen should be mounted on a separate 8½" X 11" agronomy herbarium card available by printing on card stock from www.okffa.org (under the "Participate" link). All information areas should be completed and enclosed in a notebook or binder. Each specimen should be covered with a transparent plastic or similar covering to protect it from damage. Quality of exhibits, including spelling will be considered. **CARDS MUST BE DATED AND NUMBERED. NAME, CHAPTER AND GRADE must be included ON INSIDE BACK COVER.** Required Table of Contents in the front of the book. Everything (cover, table of contents can be computer generated EXCEPT the information on the herbarium cards. The information on the Herbarium Cards must be hand written in ink.

The top 5 books in each class will be displayed. Only one Agronomic Collection allowed per individual. Exhibit cards in a plain one-inch (1") size hardback notebook for classes 1 & 2 or a plain (2") size hardback notebook for classes 3 & 4 with one (1) FFA emblem and the lettering "FFA Agronomic Herbarium Collection" on the front only.

| CLASSES | | |
|---------|--|---|
| 1. | Grades 8-9 Collection of 10 Specimens with all information collected | Ribbons 1 st – 5 th |
| 2. | Grade 10 Collection of 15 Specimens with all information collected | Ribbons 1 st – 5 th |
| 3. | Grade 11 Collection of 20 Specimens with all information collected | Ribbons 1 st – 5 th |
| 4. | Grade 12 Collection of 25 Specimens with all information collected | Ribbons 1 st – 5 th |
| 5. | Champion Agronomic Herbarium Collection | Rosette |
| 6. | Reserve Champion Agronomic Herbarium Collection | Rosette |

SECTION 408- AGRONOMIC PLANT LIFE CYCLE DRAWING-

This drawing should show all different stages of growth of the wheat plant (2024) (seed, seedling, vegetative, flowering and mature). Additional stages of growth may be displayed if it adds to the exhibit. Each stage of growth should be indicated. Colors should be as near as possible to natural colors. Special characteristics for identification should also be labeled. **Drawing must include the title "Life Cycle of the Wheat Plant." Use a half sheet of white poster board (finished size approx. 22" x 14"), or half sheet of white foam or mat board (finished size approx. 20" x 15") to be displayed for landscape. The student's name, chapter and grade must be included on the backside of the poster.** Only one exhibit allowed per individual.

| CLASSES | | |
|---------|--|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grades 10 | Ribbons 1 st – 5 th |
| 3. | Champion Agronomic Plant Life Cycle Drawing | Rosette |
| 4. | Reserve Champion Agronomic Plant Life Cycle Drawing | Rosette |

SECTION 409 – AGRONOMIC ENTOMOLOGICAL LIFE CYCLE DRAWING

This drawing should show all different stages of an insect life cycle. (egg, larvae, nymph, adult, pupae, chrysalis, etc.) Each stage should be indicated. Colors should be as near as possible to natural colors. Special characteristics for identification should also be labeled. **Drawing must include the title "Life Cycle of a Lady Beetle (aka Lady Bug)". Use a half sheet of white poster board (finished size approx. 22" x 14") or half sheet of white foam or mat board (finished size approx. 20" x 15") to be displayed for landscape view. The student's name, chapter and grade must be included on the backside of the poster.** Only one exhibit allowed per individual. The top 3-5 drawings will be displayed.

| CLASSES | | |
|---------|--|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grades 10-12 | Ribbons 1 st – 5 th |
| 3. | Champion Agronomic Entomological Life Cycle Drawing | Rosette |
| 4. | Reserve Champion Agronomic Entomological Life Cycle Drawing | Rosette |

SECTION 410 - FFA SOIL SCIENCE DISPLAY

This drawing should show all different layers of a Soil Horizon (O, A, E, B, C, R). Each layer should be indicated. Colors should be as near as possible to natural colors. Special characteristics and definitions for identification should also be labeled. **Drawing must include the title "Average Soil Horizons". Use a half sheet of white poster board (finished size approx. 22" x 14") or half sheet of white foam or mat board (finished size approx. 20" x 15") to be displayed for landscape view. The student's name, chapter and grade must be included on the backside of the poster.** Only one exhibit allowed per individual. The top 3-5 drawings will be displayed.

| CLASS | | |
|-------|--------------|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grades 10-12 | Ribbons 1 st – 5 th |

| | | |
|----|--|----------------|
| 3. | Champion Soil Science Display | Rosette |
| 4. | Reserve Champion Soil Science Display | Rosette |

SECTION 411 – FFA “Agronomic History” DISPLAY

Historical Events that Shaped Crop Production

The purpose of the contest is for FFA members to research and build a display to educate the public about historical events that have affected crop production in Oklahoma and the U.S. The topic for 2024 is the John Deere Steel Plow. FFA members must write a brief description of the event and how it has changed agriculture then and now. The story must be in manuscript form with not more than two double-spaced typewritten pages. In addition, one, and not more than one, 4” x 6” or 5” x 7” color or black and white photograph must accompany the story depicting the event. Each page of the story and the photograph must be mounted on one **full sheet (22” x 28”) black poster or foam/mat board (22’ x 30”)**. Posters are to be displayed horizontally. **The student’s name, chapter and grade must be included on the back of the poster.** Only one exhibit allowed per individual.

| CLASSES | | |
|----------------|---|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grades 10-12 | Ribbons 1 st – 5 th |
| 3. | Champion Agronomic History Display | Rosette |
| 4. | Reserve Champion Agronomic History Display | Rosette |

SECTION 412 – AGRONOMIC CROP IMPORTANCE DISPLAY

The purpose of the contest is for FFA members to research and build a display to educate the public about the importance of different agronomic crops in Oklahoma and the U.S. The topic for 2024 is “The six classes of wheat and their use.” The information may be displayed creatively or in manuscript form. In addition, each classification must be identified by an actual sample or an image/drawing attached to the display. **Use a half sheet of white poster board (finished size approx. 22” x 14”) or half sheet of white foam or mat board (finished size approx. 20” x 15”) to be displayed for landscape view (horizontally).** **The student’s name, chapter and grade must be included on the backside of the poster.** Only one exhibit allowed per individual.

| CLASSES | | |
|----------------|---|---|
| 1. | Grades 8-9 | Ribbons 1 st – 5 th |
| 2. | Grades 10-12 | Ribbons 1 st – 5 th |
| 3. | Champion Agronomic Crop Importance Display | Rosette |
| 4. | Reserve Champion Agronomic Crop Importance Display | Rosette |
| 5. | Grand Champion Agronomy Educational Display (Sections 407-412) | Plaque |
| 6. | Reserve Grand Champion Agronomy Educational Display (Sections 407-412) | Plaque |

SECTION 413 - FFA TAME FORAGE GRASS EXHIBIT

(One Bundle)

Bundle must be not less than 3 inches but no more than 5 inches at center band when cut near the ground. Should be cured (dry) before forming bundle. Will be judged on feeding value (green color, leafiness, fineness of stem, and best stage of maturity for each kind) and preparation of bundle, including neatness, cleanliness, uniformity and overall appearance. Undersized bundles, and wet or moldy bundles, will be disqualified. If Superintendent or judge deems that any bundle is old, from previous years, or is masked (New leaves over old) the Supt. has the right to disqualify the bundle. Only one exhibit allowed per class per individual.

| CLASSES | | |
|----------------|--|---|
| 1. | Short Fine-stemmed Tame Forage Grass Bundle (Bermuda grass, Crabgrass, etc.) | Ribbons 1 st – 5 th |
| 2. | Tall Fine-stemmed Tame Forage Grass Bundle (Old World Bluestem, Weeping Lovegrass, Tall Fescue, Ryegrass, German Millet, etc.) | Ribbons 1 st – 5 th |
| 3. | Coarse-stemmed Tame Forage Grass Bundle (Forage Sorghum, Sudangrass, or Sudangrass, X Sorghum Hybrids or Pearl Millets) | Ribbons 1 st – 5 th |
| 4. | Champion Tame Grass Forage Exhibit | Rosette |
| 5. | Reserve Champion Tame Grass Forage Exhibit | Rosette |

SECTION 414 - FFA LEGUME FORAGE EXHIBIT

(One Bundle)

Bundle must be not less than 3 inches but no more than 5 inches at center band when cut near the ground. Should be cured (dry) before forming bundle. Will be judged on feeding value (green color, leafiness, fineness of stem, and best stage of maturity for each kind) and preparation of bundle, including neatness, cleanliness, uniformity and overall appearance. Undersized bundles, and wet or moldy bundles, will be disqualified. If Superintendent or judge deems that any bundle is old, from previous years, or is masked (New leaves over old) the Supt. has the right to disqualify the bundle. Only one exhibit allowed per class per individual.

| CLASSES | | |
|----------------|---|---|
| 1. | Fine-stemmed Forage Legume Bundle (Alfalfa, Sweet clover, Lespedeza, Vetch) | Ribbons 1 st – 5 th |
| 2. | Coarse-stemmed Forage Legume Bundle (Soybean, Cowpea, Peanut) | Ribbons 1 st – 5 th |

| | | |
|----|--|----------------|
| 3. | Champion Legume Forage Bundle Exhibit | Rosette |
| 4. | Reserve Champion Legume Forage Bundle Exhibit | Rosette |
| 5. | Grand Champion Legume-Tame Forage Bundle (selected from sections 410 & 411) | Plaque |
| 6. | Reserve Grand Champion Legume-Tame Forage Bundle (selected from sections 410 & 411) | Plaque |

SECTION 415 - FFA NATIVE GRASS EXHIBIT
(One Bundle)

Should be headed but not ripe enough to shatter, and shown full length (cut near the ground). Bundle should be not less than 3 inches or more than 5 inches at center band. Should be cured (dried) before forming bundle. Each bundle will be considered on basis of early stage of maturity, leafiness, and green color; and on preparation and appearance of bundle. Undersized and oversized bundles and wet or moldy bundles will be disqualified. If Superintendent or judge deems that any bundle is old, from previous years, or is masked (New leaves over old) the Supt. has the right to disqualify the bundle. Only one exhibit allowed per class per individual.

| MEDIUM OR SHORT NATIVE GRASS BUNDLE | | |
|--|--|---|
| CLASSES | | |
| 1. | Little Bluestem | Ribbons 1 st – 5 th |
| 2. | Sand Lovegrass | Ribbons 1 st – 5 th |
| 3. | Sideoats Grama | Ribbons 1 st – 5 th |
| 4. | Blue Grama or Hairy Grama | Ribbons 1 st – 5 th |
| 5. | Champion Medium or Short Native Grass Exhibit | Rosette |
| 6. | Reserve Champion Medium or Short Native Grass Exhibit | Rosette |
| TALL NATIVE GRASS BUNDLE | | |
| 7. | Big Bluestem or Sandhill Bluestem | Ribbons 1 st – 5 th |
| 8. | Indiangrass | Ribbons 1 st – 5 th |
| 9. | Switchgrass | Ribbons 1 st – 5 th |
| 10. | Purpletop | Ribbons 1 st – 5 th |
| 11. | Any other Native Grass | Ribbons 1 st – 5 th |
| 12. | Champion Tall Native Grass Exhibit | Rosette |
| 13. | Reserve Champion Tall Native Grass Exhibit | Rosette |
| 14. | Grand Champion Native Grass Exhibit (Section 412) | Plaque |
| 15. | Reserve Grand Champion Native Grass Exhibit (Section 412) | Plaque |

SECTION 416 - PASTURE AND RANGE PLANT DISPLAY EXHIBIT

These displays consist of ten representative plants mounted on LIGHTWEIGHT boards, measuring 3 feet square, strong enough to stand upright. Any other size will result in disqualification. The plants should be cut to prevent any part of the plant from extending beyond the edge of the board. Grasses and other fine-stemmed plants may be shown as bundles not to exceed one inch in diameter, and single plants that are heavy-stemmed or bushy may be used. Plants should be headed and in bloom or seed stage but not ripe enough to shatter. Label with common name. **The exhibitor's Name, Chapter and Grade must indicated on the back of the board.** Displays will be judged on choice of species; quality of samples (green, color, leafiness, dryness and stage maturity); neatness and arrangement of samples in general appearance of display; and correctness and readability of labels. Entries which are found to be misidentified or identical as a result of group preparation will be disqualified. The top 5 in each class may be displayed. Only one Tame and one Native Display allowed per individual.

| CLASSES | | |
|----------------|--|---|
| 1. | Tame Pasture Grass and Legume Plant Display (Grades 8-9-10) — Consists of Ten Introduced Pasture Grasses and Legumes Commonly Planted for Grazing Purposes | Ribbons 1 st – 5 th |
| 2. | Tame Pasture Grass and Legume Plant Display (Grades 11-12) — Consists of Ten Introduced Pasture Grasses and Legumes Commonly Planted for Grazing Purposes | Ribbons 1 st – 5 th |
| 3. | Native Range Plants (Grades 8-9) — Consists of Ten Native Plants (Grasses, Legumes and Forbs) Representative of Native Prairie Mixtures | Ribbons 1 st – 5 th |
| 4. | Native Range Plants (Grade 10) — Consists of Ten Native Plants (Grasses, Legumes and Forbs) Representative of Native Prairie Mixtures | Ribbons 1 st – 5 th |
| 5. | Native Range Plants (Grade 11) — Consists of Ten Native Plants (Grasses, Legumes and Forbs) Representative of Native Prairie Mixtures | Ribbons 1 st – 5 th |
| 6. | Native Range Plants (Grade 12) — Consists of Ten Native Plants (Grasses, Legumes and Forbs) Representative of Native Prairie Mixtures | Ribbons 1 st – 5 th |
| 7. | Champion Tame Pasture Grass and Legume Display | Rosette |
| 8. | Reserve Champion Tame Pasture Grass and Legume Display | Rosette |
| 9. | Champion Native Range Plant Display | Rosette |
| 10. | Reserve Champion Native Range Plant Display | Rosette |
| 11. | Grand Champion Pasture and Range Display | Plaque |
| 12. | Reserve Grand Champion Pasture and Range Display | Plaque |

SECTION 417 - FFA CHAPTER AGRONOMY SWEEPSTAKES

FFA Chapter Crops Sweepstakes take the highest number of points accumulated in the crops department.

Placing: **1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th**
 Points: 10 9 8 7 6 5 4 3 2 1

| Placing | Points |
|------------------------|---------------|
| Champion | 3 |
| Reserve Champion | 2 |
| Grand Champion | 6 |
| Reserve Grand Champion | 4 |

With upper limit on total number of exhibits in class: Example: Four entries in class, points awarded 4-3-2-1. Ten or more entries in class points awarded 10-9-8-7-6-5-4-3-2-1-0.

| CLASSES | | |
|----------------|---|--|
| 1. | Grand Champion Crops Sweepstakes | Plaque, Lloyd Fletcher Memorial Traveling Trophy, \$250 |
| 2. | Reserve Grand Champion Crops Sweepstakes | Plaque & \$150 |
| 3. | Bronze Champion Crops Sweepstakes | Plaque & \$100 |

HORTICULTURE - SECTIONS 418 - 422

These exhibits must be Supervised Agricultural Experience program projects of the FFA members who exhibit in this department. All fruits and vegetables exhibited must be grown by the exhibitor must be a product of their own Supervised Agricultural Experience program; not purchased, borrowed, leased or received through gift. Pecans (large type in shell) exhibited in clear quart-size plastic bags only. Only one exhibit allowed in each class per individual. Displayed in their natural, unprocessed state. There are no chapter exhibits in this division, only individual exhibits. Exhibitor name and chapter must be on entry tag. All entries must be listed in entry book and exhibits tagged. **Any exhibit not properly identified will be automatically disqualified.** Exhibits of over-ripe and poor quality will not be judged. All measurements and sizes specified are approximate according to industry standards. All exhibits must not have been exhibited previously at the Tulsa State Fair. The Superintendent reserves the right to not display any exhibits. Exhibits which are showing signs of stress or damage may be removed with approval of the Superintendent. Exhibitors provide their own containers for exhibits. **All edible horticulture exhibits will be donated to an area food bank or other charitable group if possible, and may not be displayed based on the decision of the superintendent.** Ribbons will be placed on the top 10 in each class.

SECTION 418 - VEGETABLE AND FRUIT EXHIBITS

| CLASSES | | |
|----------------|---|---|
| 1. | Potatoes, White or Red, 4 specimens | Ribbons 1 st – 2 nd |
| 2. | Okra, 6 specimens | Ribbons 1 st – 2 nd |
| 3. | Onions, Yellow, White or Red, 4 specimens | Ribbons 1 st – 2 nd |
| 4. | Eggplant, 2 specimens | Ribbons 1 st – 2 nd |
| 5. | Pepper (Jalapeno or Hungarian Wax), 6 specimens | Ribbons 1 st – 2 nd |
| 6. | Pepper (Other Hot Peppers), 6 specimens | Ribbons 1 st – 2 nd |
| 7. | Pepper (Sweet Bell), 6 specimens | Ribbons 1 st – 2 nd |
| 8. | Pepper (Sweet Banana), 6 specimens | Ribbons 1 st – 2 nd |
| 9. | Pepper (Other Sweet), 6 specimens | Ribbons 1 st – 2 nd |
| 10. | Tomatoes (Large type), 4 specimens | Ribbons 1 st – 2 nd |
| 11. | Tomatoes (Cherry type), 6 specimens | Ribbons 1 st – 2 nd |
| 12. | Champion (Classes 1-11) | Rosette |
| 13. | Reserve Champion (Classes 1-11) | Rosette |
| 14. | Pumpkin, Field Type (Oblong), 1 | Ribbons 1 st – 2 nd |
| 15. | Pumpkin, Jack-O-Lantern (Round and flat), 1 | Ribbons 1 st – 2 nd |
| 16. | Pumpkin, Small (Less than 4" in diameter), 2 | Ribbons 1 st – 2 nd |
| 17. | Cucumbers, Slicing or Pickling, 2 specimens | Ribbons 1 st – 2 nd |
| 18. | Squash, any variety, 2 | Ribbons 1 st – 2 nd |
| 19. | Watermelon, Oblong Type, 1 | Ribbons 1 st – 2 nd |
| 20. | Watermelon, Round Type, 1 | Ribbons 1 st – 2 nd |
| 21. | Any Melon Other Than Watermelon, 1 | Ribbons 1 st – 2 nd |
| 22. | Gourd, Ornamental, Large, 1 | Ribbons 1 st – 2 nd |
| 23. | Gourd, Ornamental, Small, 2 | Ribbons 1 st – 2 nd |
| 24. | Champion (Classes 14-23) | Rosette |
| 25. | Reserve Champion (Classes 14-23) | Rosette |
| 26. | Ornamental Peppers, 6 specimens | Ribbons 1 st – 2 nd |
| 27. | Corn, Ornamental, 4 ears | Ribbons 1 st – 2 nd |
| 28. | Pecans (native or improved), 18 specimens in quart-size plastic bag | Ribbons 1 st – 2 nd |
| 29. | Apples, (Red, Yellow or Green) 4 | Ribbons 1 st – 2 nd |
| 30. | Pears, 4 | Ribbons 1 st – 2 nd |
| 31. | Champion (Classes 26-30) | Rosette |
| 32. | Reserve Champion (Classes 26-30) | Rosette |

HOME GARDEN FOOD BASKET DISPLAY

This exhibit is a quality selection of from 4 to 10 different kinds and/or varieties of mature fruits and/or vegetables. Amounts of fruits and vegetables in this exhibit should be such that they can be arranged in a neat and orderly manner and have good eye appeal. There must be enough of each fruit or vegetable for the judge to determine quality. Only one exhibit allowed in each class per individual.

All fruits and vegetables exhibited must be grown by the exhibitor and must be a product of their own Supervised Agricultural Experience program. No specimens in this exhibit may be entered in another class. Any combination of fruits and vegetables may be used. Those not listed in the catalog may be included. The exhibit must be in a basket no larger than 18 inches. It may be covered with a clear plastic cover but judges must be able to handle produce to determine quality. 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. All edible horticulture exhibits will be donated to an area food bank or other charitable group if possible, and may not be displayed based on the decision of the superintendent. Ribbons awarded to top ten (10) in each class.

| CLASSES | | |
|---------|--|---|
| 33. | Home Garden Basket | Ribbons 1 st – 5 th |
| 34. | Grand Champion Vegetable or Fruit Exhibit (Section 415) | Plaque |
| 35. | Reserve Grand Champion Vegetable or Fruit Exhibit (Section 415) | Plaque |

SECTION 419 - FFA HORTICULTURE EDUCATIONAL DISPLAY

FFA HERBARIUM CARDS

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 complete leaf specimen should be mounted on a separate 8 1/2" x 11" herbarium card available through CIMC, or printed on card stock from www.okffa.org (under the "Participate" link.) All information areas 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. Quality of exhibit including spelling will be considered. **CARDS MUST BE DATED AND NUMBERED, WITH NAME, CHAPTER AND GRADE ON INSIDE BACK COVER. There must be a Table of Contents in the front of the book. Everything (cover, table of contents) can be computer generated EXCEPT the information on the herbarium cards. The information on the Herbarium Cards must be hand written in ink.**

The top 5 books in each class will be displayed. Only one Herbarium Collection allowed per individual. Exhibit cards in a plain one-inch (1") size hardback notebook for classes 1 & 2 or a plain two-inch (2") size hardback notebook for classes 3 & 4 with one (1) FFA emblem and the lettering "FFA Herbarium Cards" on the front only. Ribbons awarded for top ten (10) in each class.

| CLASSES | | |
|---------|--|---|
| 1. | Grades 8 and 9 — Collection of 20 Specimens with all information completed | Ribbons 1 st – 5 th |
| 2. | Grade 10 — Collection of 25 Specimens with all information completed | Ribbons 1 st – 5 th |
| 3. | Grade 11 — Collection of 30 Specimens with all information completed | Ribbons 1 st – 5 th |
| 4. | Grade 12 — Collection of 35 Specimens with all information completed | Ribbons 1 st – 5 th |
| 5. | Champion Herbarium Card Display (Classes 1-4) | Rosette |
| 6. | Reserve Champion Herbarium Card Display (Classes 1-4) | Rosette |

FFA OKLAHOMA WILDFLOWER EXHIBIT

These exhibits shall consist of dried and pressed specimens of flowers, stems, leaves and other specified parts of native and/or cultivated wildflowers. Each complete specimen should be mounted on a separate 8 1/2" X 11" wildflower herbarium card printed on card stock from www.okffa.org (under the "Participate" link). All information areas 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. Quality of exhibits, including spelling will be considered. **CARDS MUST BE DATED AND NUMBERED, WITH NAME, CHAPTER AND GRADE ON INSIDE BACK COVER. There must be a Table of Contents in the front of the book. Everything (cover, table of contents) can be computer generated EXCEPT the information on the herbarium cards. The information on the Herbarium Cards must be hand written in ink.**

The top 5 books in each class will be displayed. Only one Wildflower Collection allowed per individual. Exhibit cards in a plain one-inch (1") size hardback notebook for classes 1 & 2 or a plain (2") size hardback notebook for classes 3 & 4 with one (1) FFA emblem and the lettering "FFA Wildflower Herbarium Cards" on the front only. Ribbons awarded to top ten (10) in each class.

| CLASSES | | |
|---------|--|---|
| 7. | Grades 8 and 9 — Collection of 20 Specimens with all information completed | Ribbons 1 st – 5 th |
| 8. | Grade 10 — Collection of 25 Specimens with all information completed | Ribbons 1 st – 5 th |
| 9. | Grade 11 — Collection of 30 Specimens with all information completed | Ribbons 1 st – 5 th |
| 10. | Grade 12 — Collection of 35 Specimens with all information completed | Ribbons 1 st – 5 th |
| 11. | Champion Oklahoma Wildlife Exhibit (Classes 7-10) | Rosette |
| 12. | Reserve Champion Oklahoma Wildlife Exhibit (Classes 7-10) | Rosette |

FFA PLANT LIFE CYCLE DISPLAY EXHIBIT

This drawing should show all different stages of growth of a Pumpkin plant (seed, seedling, vegetative, flowering and

mature). Additional stages of growth may be displayed if it adds to the exhibit. Each stage of growth should be indicated. Colors should be as near as possible to natural colors. Special characteristics for identification should also be labeled. **Drawing must include the title "Life Cycle of Carrot." Use a half sheet of white poster board (finished size approx. 22" x 14"), or half sheet of white foam or mat board (finished size approx. 20" x15") to be displayed for landscape view. The student's name, chapter and grade MUST be included on the backside of the poster.** Only one exhibit allowed in each class per individual. The top 3-5 drawings will be displayed.

| CLASSES | | |
|---------|--|---|
| 13. | Plant Life Cycle Display Grade 8 & 9 | Ribbons 1 st – 5 th |
| 14. | Plant Life Cycle Display Grades 10 | Ribbons 1 st – 5 th |
| 15. | Champion Plant Life Cycle Display Drawing (Classes 11-12) | Rosette |
| 16. | Reserve Champion Plant Life Cycle Display Drawing (Classes 11-12) | Rosette |

A SEXUAL PLANT PROPAGATION DRAWING

This drawing should show all different stages of asexually propagating a plant (parent plant, propagation type, plant section, additional root growth, to full growth. For 2023, the plant will be a Boston Fern. Each stage should be indicated. Colors should be as near as possible to natural colors. Special characteristics for identification should also be labeled. **Drawing must include the title "Asexual Propagation Drawing of a Boston Fern." Use a half sheet of white poster board (finished size approx. 22" x 14"), or half sheet of white foam or mat board (finished size approx. 20" x 15") to be displayed for landscape view. The students name, chapter and grade must be included on the backside of the poster.** Only one exhibit allowed in each class per individual. The top 3-5 drawings will be displayed.

| CLASSES | | |
|---------|---|---|
| 17. | Grade 10 | Ribbons 1 st – 5 th |
| 18. | Grade 11 | Ribbons 1 st – 5 th |
| 19. | Grade 12 | Ribbons 1 st – 5 th |
| 20. | Champion Asexual Plant Propagation Drawing (Classes 14-16) | Rosette |
| 21. | Reserve Champion Asexual Plant Propagation Drawing (Classes 14-16) | Rosette |

HOME LANDSCAPE DRAWING

Download template from www.okffa.org and print on a sheet of legal sized (8 ½" x 14") white paper. **Landscape drawings must be full color and drawn horizontally.** Finished drawing must be mounted on a half sheet of **black** poster board (approximate finished size approx. 22" x 14"), or a half sheet of **black** foam or mat board (approximate finished size approx. 20" x15") to be displayed for landscape view. At the top, label the display "Home Landscape Drawing." On the right side of the foam board include a 2" x no more than 11" key/legend that must contain the following information: Scale, symbols of plants, numbers representing trees, shrubs, and plants (including the number of each used in the landscape). At the bottom of the key/legend include Name, Chapter and Date. Additionally, a narrative that further describes the drawing may be included on the back, but is limited to 1 page, typed double spaced in 12 point font.

| CLASSES | | |
|---------|--|---|
| 22. | Grades 8-9 | Ribbons 1 st – 5 th |
| 23. | Grade 10 | Ribbons 1 st – 5 th |
| 24. | Grade 11 | Ribbons 1 st – 5 th |
| 25. | Grade 12 | Ribbons 1 st – 5 th |
| 26. | Champion Home Landscape Drawing (Classes 19-22) | Rosette |
| 27. | Reserve Champion Home Landscape Drawing (Classes 19-22) | Rosette |

HORTICULTURE ENTOMOLOGY EXHIBIT

An FFA member may exhibit one insect collection in this division. All insects must be mounted on standard insect pin. Each insect should be identified by their common names using the correct spelling. A typed master list indicating the scientific Order and common name; Type of Mouthparts; Beneficial or Pest of each specimen should accompany the display. Exhibits must be displayed in the folding insect storage box which can be purchased in bulk at BioQuip Products Box 9"X13"X2½". Exhibits should be covered inside with plastic wrap for display purposes. Ribbons awarded to top 10 in the class.

| CLASSES | | |
|---------|---|---|
| 28. | Grades 8-9 (10 insects with all information provided) | Ribbons 1 st – 5 th |
| 29. | Grade 10 (15 insects with all information provided) | Ribbons 1 st – 5 th |
| 30. | Grade 11 (20 insects with all information provided) | Ribbons 1 st – 5 th |
| 31. | Grade 12 (25 insects with all information provided) | Ribbons 1 st – 5 th |
| 32. | Champion Horticulture Entomology Display (Classes 22-25) | Rosette |
| 33. | Reserve Champion Horticulture Entomology Display (Classes 22-25) | Rosette |

MINIATURE GREENHOUSES

Size approx. 14" x 21", mounted on plywood 16" x 24" painted white. It must be accompanied by a graphic design plan showing climate control system, irrigation system, placement of benches and tables, etc. Plan should be on 8 1/2" x 11" paper enclosed in a plastic cover. No mechanical or electrical moving parts will be allowed. Can be shown only once at the Tulsa State Fair and must have been constructed during the previous two school years. The student's name, chapter and grade MUST be visible.

| CLASSES | | |
|---------|--|--|
|---------|--|--|

| | | |
|-----|---|---|
| 34. | Grades 8-9 | Ribbons 1 st – 5 th |
| 35. | Grade 10 | Ribbons 1 st – 5 th |
| 36. | Grade 11 | Ribbons 1 st – 5 th |
| 37. | Grade 12 | Ribbons 1 st – 5 th |
| 38. | Champion Miniature Greenhouse (Classes 28-31) | Rosette |
| 39. | Reserve Champion Miniature Greenhouse (Classes 28-31) | Rosette |
| 40. | Grand Champion Overall Horticultural Educational Exhibit (Section 416) | Plaque |
| 41. | Reserve Grand Champion Overall Horticultural Educational Exhibit (Section 416) | Plaque |

SECTION 420 - FFA HOUSE PLANT EXHIBITS

- All plants must have been in possession of exhibitor for at least 60 days. Limit of one entry per student per class.
- No more than 5 live plants per chapter per class.
- One container per entry.
- Judging will be based on color, condition, container, foliage and/or flower, correct name, culture, quality, maturity, and shape.
- Plants must be groomed for exhibition. Clean with water only. Insect free and not waxed or polished. No freshly repotted plants. Plants with insect/pest present may be disqualified and/or removed from exhibition.
- Pots OVER approximately 12" in diameter or containers not intended for horticultural use WILL NOT BE ACCEPTED.
- One entry per exhibitor for each class. Entries must be recorded official entry list and each entry must be tagged to be judged.
- No plant over 4 feet tall not-including pot shall be entered. Hanging plants should not hang longer than 6 feet from top of container
- Ribbons will be placed on the top ten (10) in each class.
- Ferns entered in a potted category instead of a hanging basket must be of a size and type that is appropriate for a pot or non-hanging exhibit. (EX: Birds Nest Fern; Heart Fern; Maidenhair fern)

FOLIAGE PLANT

CLASSES

| | | |
|-------------------------------|---|---|
| 1. | Croton | Ribbons 1 st – 5 th |
| 2. | Dumbcane | Ribbons 1 st – 5 th |
| 3. | Dracaena | Ribbons 1 st – 5 th |
| 4. | Rubber Plant | Ribbons 1 st – 5 th |
| 5. | Philodendron | Ribbons 1 st – 5 th |
| 6. | Pothos | Ribbons 1 st – 5 th |
| 7. | Nephtytis (arrowhead vine) | Ribbons 1 st – 5 th |
| 8. | Schefflera | Ribbons 1 st – 5 th |
| 9. | Weeping Fig | Ribbons 1 st – 5 th |
| 10. | Potted Fern (examples - Birds Nest Fern; Heart Fern; Maidenhair fern) | Ribbons 1 st – 5 th |
| 11. | Any Other Foliage Plant, under 24" | Ribbons 1 st – 5 th |
| 12. | Any Other Foliage Plant, 24" to 48" | Ribbons 1 st – 5 th |
| 13. | Champion Foliage Plant (Classes 1-12) | Rosette |
| 14. | Reserve Champion Foliage Plant (Classes 1-12) | Rosette |
| POTTED FLOWERING PLANT | | |
| 15. | Chrysanthemum | Ribbons 1 st – 5 th |
| 16. | African Violet | Ribbons 1 st – 5 th |
| 17. | Begonia | Ribbons 1 st – 5 th |
| 18. | Geranium | Ribbons 1 st – 5 th |
| 19. | Peace Lily | Ribbons 1 st – 5 th |
| 20. | Any other blooming plant | Ribbons 1 st – 5 th |
| 21. | Multiple varieties (2 or more flowering plants). | Ribbons 1 st – 5 th |
| 22. | Champion Potted Flowering Plant (Classes 15-21) | Rosette |
| 23. | Reserve Potted Flowering Plant (Classes 15-21) | Rosette |
| CACTI AND SUCCULENTS | | |
| 24. | Cacti under 10" tall | Ribbons 1 st – 5 th |
| 25. | Cacti over 10" tall | Ribbons 1 st – 5 th |
| 26. | Succulents under 10" tall (not cactus) | Ribbons 1 st – 5 th |
| 27. | Succulents over 10" tall (not cactus) | Ribbons 1 st – 5 th |
| 28. | Multiple varieties (2 or more cactus and/or succulents) | Ribbons 1 st – 5 th |
| 29. | Aloe Vera | Ribbons 1 st – 5 th |
| 30. | Snake Plant | Ribbons 1 st – 5 th |
| 31. | Bromeliad | Ribbons 1 st – 5 th |
| 32. | Champion Cacti/Succulent (Classes 24-31) | Rosette |
| 33. | Reserve Champion Cacti/Succulent (Classes 24-31) | Rosette |
| HANGING BASKETS | | |
| 34. | Asparagus Fern | Ribbons 1 st – 5 th |
| 35. | Boston Fern | Ribbons 1 st – 5 th |
| 36. | Airplane Plant (spider) | Ribbons 1 st – 5 th |

| | | |
|----------------------|--|---|
| 37. | Swedish Ivy | Ribbons 1 st – 5 th |
| 38. | Jews Small Leaf (one variety) | Ribbons 1 st – 5 th |
| 39. | Jews Large Leaf (one variety) | Ribbons 1 st – 5 th |
| 40. | Philodendrons or Pothos | Ribbons 1 st – 5 th |
| 41. | Nephthytis | Ribbons 1 st – 5 th |
| 42. | Any Other Fern | Ribbons 1 st – 5 th |
| 43. | Any Other Hanging Basket | Ribbons 1 st – 5 th |
| 44. | Multiple varieties combined (2 or more) | Ribbons 1 st – 5 th |
| 45. | Champion Hanging Basket (Classes 34-44) | Rosette |
| 46. | Reserve Champion Hanging Basket (Classes 34-44) | Rosette |
| POTTED PLANTS | | |
| 47. | Ornamental Pepper (with peppers) | Ribbons 1 st – 5 th |
| 48. | Unique Potted Plant (any rare or unusual plant, specify variety) | Ribbons 1 st – 5 th |
| 49. | Any Other Potted Plant (under 18") | Ribbons 1 st – 5 th |
| 50. | Any Other Potted Plant (over 18") | Ribbons 1 st – 5 th |
| 51. | Champion Potted Plant (Classes 47-50) | Rosette |
| 52. | Reserve Champion Potted Plant (Classes 47-50) | Rosette |
| 53. | Grand Champion House Plant (Section 417) | Plaque |
| 54. | Reserve Grand Champion House Plant (Section 417) | Plaque |

SECTION 421 - FLORAL OR PLANT DESIGN

| | | |
|---|--|---|
| PLANT DESIGN | | |
| ENCLOSED TERRARIUMS | | |
| Small Enclosed Terrariums should be approximately one (1) gallon in size. Large Enclosed Terrariums should be approximately two to five gallons in size. No succulents or cacti should be in enclosed terrariums. Only live plants allowed. | | |
| CLASSES | | |
| 1. | Small Enclosed – Grades 8 - 10 | Ribbons 1 st – 5 th |
| 2. | Small Enclosed – Grade 11 – 12 | Ribbons 1 st – 5 th |
| 3. | Large Enclosed – Grade 8 – 12 | Ribbons 1 st – 5 th |
| 4. | Champion Enclosed Terrariums (Classes 1 – 3) | Rosette |
| 5. | Reserve Champion Enclosed Terrariums (Classes 1 – 3) | Rosette |
| OPEN TERRARIUMS | | |
| Small Open Terrariums should be approximately one (1) gallon in size. Large Open Terrariums should be approximately two (2) to five (5) gallons in size. Must contain live plants only. No live animals permitted in terrariums. | | |
| 6. | Small Open Terrariums – Grades 8 - 10 | Ribbons 1 st – 5 th |
| 7. | Small Open Terrariums – Grade 11 – 12 | Ribbons 1 st – 5 th |
| 8. | Large Open Terrariums – Grade 8 – 12 | Ribbons 1 st – 5 th |
| 9. | Champion Open Terrariums (Classes 6 – 8) | Rosette |
| 10. | Reserve Champion Open Terrariums (Classes 6 – 8) | Rosette |
| DISH GARDEN OR CREATIVE PLANT DISPLAY | | |
| 11. | Grades 8 – 9 (3 specimens or more) | Ribbons 1 st – 5 th |
| 12. | Grade 10 (3 specimens or more) | Ribbons 1 st – 5 th |
| 13. | Grade 11 (3 specimens or more) | Ribbons 1 st – 5 th |
| 14. | Grade 12 (3 specimens or more) | Ribbons 1 st – 5 th |
| 15. | Champion Plant Design Display (Classes 11 – 14) | Rosette |
| 16. | Reserve Champion Plant Design Display (Classes 11 – 14) | Rosette |
| DECORATED PUMPKINS | | |
| 1 and only 1 decorated (not carved) pumpkin. No gourds. No other pumpkins or gourds can be attached. Pumpkin cannot have attachments that break the skin. No artificial pumpkins. | | |
| 17. | Grade 8 (decorated not carved) | Ribbons 1 st – 5 th |
| 18. | Grade 9 (decorated not carved) | Ribbons 1 st – 5 th |
| 19. | Grade 10 (decorated not carved) | Ribbons 1 st – 5 th |
| 20. | Grades 11-12 (decorated not carved) | Ribbons 1 st – 5 th |
| 21. | Champion Pumpkin (Classes 16-19) | Rosette |
| 22. | Reserve Champion Pumpkin (Classes 16-19) | Rosette |
| FLORAL DESIGN | | |
| All materials used in exhibits must contain dried or artificial materials only. Any arrangement with any artificial material will be classified artificial. | | |
| FLORAL ARRANGEMENT (DRIED, NATURAL) | | |
| ALL material must be dried or natural products. Up to approximately 24" in size. | | |
| 23. | Dried/Natural Grades 8-10 | Ribbons 1 st – 5 th |
| 24. | Dried/Natural Grades 11-12 | Ribbons 1 st – 5 th |

| FLORAL ARRANGEMENT ARTIFICIAL (up to approximately 24" in size) | | |
|--|--|---|
| 25. | Artificial, Grades 8 and 9 | Ribbons 1 st – 5 th |
| 26. | Artificial, Grade 10 and 11 | Ribbons 1 st – 5 th |
| 27. | Artificial, Grade 12 | |
| FLORAL ARRANGEMENT SEASONAL OR OCCASIONAL (up to approximately 24" in size) | | |
| 28. | Seasonal or occasional, Grades 8 and 9 | Ribbons 1 st – 5 th |
| 29. | Seasonal or occasional, Grade 10 and 11 | Ribbons 1 st – 5 th |
| 30. | Seasonal or occasional, Grade 12 | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT NOVELTY | | |
| Up to approximately 24" in size Accessory in the arrangement must tie to the container to be considered novelty. | | |
| 31. | Novelty Arrangement, Grades 8, 9 and 10 | Ribbons 1 st – 5 th |
| 32. | Novelty Arrangement, Grades 11 and 12 | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT WEDDING | | |
| 33. | Wedding Bouquet | Ribbons 1 st – 5 th |
| 34. | Wedding Arrangement (table size only) | Ribbons 1 st – 5 th |
| 35. | Champion Floral Arrangement (Classes 23-34). | Rosette |
| 36. | Reserve Champion Floral Arrangement (Classes 22-34) | Rosette |
| FLORAL ARRANGEMENT CORSAGE | | |
| 37. | Shoulder (dried) | Ribbons 1 st – 5 th |
| 38. | Wristlet | Ribbons 1 st – 5 th |
| 39. | Shoulder (Artificial) Grades 8, 9 & 10 | Ribbons 1 st – 5 th |
| 40. | Shoulder (Artificial) Grades 11 & 12 | Ribbons 1 st – 5 th |
| 41. | FFA Week | Ribbons 1 st – 5 th |
| 42. | Homecoming (artificial) Grades 8, 9 & 10 | Ribbons 1 st – 5 th |
| 43. | Homecoming (artificial) Grades 11 & 12 | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT BOUTONNIERE | | |
| 44. | Artificial Grades 8, 9 & 10 | Ribbons 1 st – 5 th |
| 45. | Artificial Grades 11 & 12 | Ribbons 1 st – 5 th |
| 46. | Champion Corsage/Boutonniere (Classes 37-45) | Rosette |
| 47. | Reserve Champion Corsage/Boutonniere (Classes 37-45) | Rosette |
| FLORAL ARRANGEMENT WREATHS -DRIED, NATURAL (up to approximately 24" in size) | | |
| 48. | Dried Natural | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT WREATHS - ARTIFICIAL (up to approximately 24" in size) | | |
| 49. | Artificial, Grades 8 and 9 | Ribbons 1 st – 5 th |
| 50. | Artificial, Grade 10 and 11 | Ribbons 1 st – 5 th |
| 51. | Artificial, Grade 12 | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT WREATHS – SEASONAL (up to approximately 24" in size) | | |
| 52. | Seasonal or occasional, Grades 8, 9 and 10 | Ribbons 1 st – 5 th |
| 53. | Seasonal or occasional, Grades 11 and 12 | Ribbons 1 st – 5 th |
| FLORAL ARRANGEMENT WALL OR DOOR SWAGS | | |
| 54. | Dried/Natural | Ribbons 1 st – 5 th |
| 55. | Artificial | Ribbons 1 st – 5 th |
| DECORATIVE NON-FLORAL | | |
| 56. | Decorative Non-Floral Wreath/Swag | Ribbons 1 st – 5 th |
| 57. | Champion Wreath/Swag (Classes 48-56) | Rosette |
| 58. | Reserve Champion Wreath/Swag (Classes 48-56) | Rosette |
| 59. | Grand Champion Floral or Plant Design (Section 422) | Plaque |
| 60. | Reserve Grand Champion Floral or Plant Design (Section 422) | Plaque |

SECTION 422 - FFA CHAPTER HORTICULTURE SWEEPSTAKES

FFA Chapter Horticulture Sweepstakes take the highest number of points accumulated in the horticulture department.

Placing: 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th

Points: 10 9 8 7 6 5 4 3 2 1

| Placing | Points |
|------------------------|---------------|
| Champion | 3 |
| Reserve Champion | 2 |
| Grand Champion | 6 |
| Reserve Grand Champion | 4 |

With upper limit on total number of exhibits in that class: Example: Four (4) entries in class points awarded 4-3-2-1.

Example: Ten or more entries in class points awarded 10-9-8-7-6-5-4-3-2-1.

| CLASS | | |
|--------------|---|---------------------------|
| 1. | Grand Champion Chapter Horticultural Sweepstakes | \$250 & Plaque |
| 2. | Reserve Grand Champion Chapter Horticultural Sweepstakes | \$150 & Plaque |
| 3. | Bronze Chapter Horticultural Sweepstakes | \$100 & Plaque |

AGRICULTURAL MECHANICS – SECTIONS 423-424

SECTION 423 - AGRICULTURAL MECHANICS EXHIBIT

1. **Articles exhibited must have been constructed by FFA members in the Agriculture Education school shop.**
2. Entries may be individually or chapter constructed.
3. An article can be shown only once at the Tulsa State Fair and must have been constructed during the previous two school years.
4. All articles must be clean and in a presentable condition even though they may have been used during the year.
5. Pictures showing operation of the project may be displayed with the exhibit.
6. Each exhibit shall have a sign showing chapter, ownership, a detailed bill of materials with cost, and a suggested retail price. (These signs will be provided by State Office.)
7. Entries will be judged on the basis of workmanship, structure and design, practicability, safety, and materials used.
8. Exhibits in Class 7, "Reconditioned Machinery & Equipment," must be factory manufactured equipment that has been reconditioned in the Ag Shop. (It is recommended 1 to 3 photographs of the project before start of restoration is included with the material's list.)
9. Exhibits in Class 13 and 14 "Small Projects," should be less than 2 ft. in length or less than 20 lbs. in weight.
10. Exhibits in Class 17, Forged Agricultural Use Projects, should be the direct work of the student submitting the entry.
11. Where an exhibit is entered in the wrong class the Superintendent will make the determination and transfer it to the proper class.
12. The judge will not award premiums or points for entries in any class that do not meet acceptable standards of quality.
13. All exhibits to be displayed in a safe manner. Absolutely no knives, or anything resembling a weapon, will be accepted.

AGRICULTURAL MECHANICS EXHIBIT SCORECARD

| | | |
|-----------------------------|--|---------------------------|
| Workmanship | | |
| a. | General appearance (neatness and finish) | 15 pts. |
| b. | Skills (careful workmanship and number of skills) | 20 pts. |
| Structure and Design | | |
| a. | Strength and durability | 20 pts. |
| b. | Originality (mainly for addition of accessories to a standard design or original design, if practical) | 5 pts. |
| Practicability | | |
| a. | Labor saving on the farm | 15 pts. |
| b. | Convenience and usefulness | 10 pts. |
| Material | | |
| a. | Economic choice of material | 15 pts. |
| Classes | | |
| 1. | Trailers & Wagons 16 ft. and over | Plaque |
| 2. | Trailers & Wagons Under 16 ft. (16 ft. is the cargo area) | Plaque |
| 3. | Smokers, Grills & Cookers with hitches | Plaque |
| 4. | Truck bed, Racks & Pickup Accessories | Plaque |
| 5. | Livestock Production Products (squeeze chute, divider, panels, clipping chutes, lamb & goat) | Plaque |
| 6. | Farmstead & Crop Improvement (gates, angel blade, box blade, mail boxes) | Plaque |
| 7. | Reconditioned Machinery and Equipment | Plaque |
| 8. | Shop Improvement (welding tables, saw horses, torch carts, anvils) | Plaque |
| 9. | Hobby/Recreation (deer stand, clay target, thrower, weight benches) | Plaque |
| 10. | Patio Cookers, Grills & Smokers | Plaque |
| 11. | Outdoor Furniture (picnic tables, benches, swings, etc.) | Plaque |
| 12. | Indoor Furniture (end tables, chairs, hall trees, bed frames, etc.) | Plaque |
| 13. | Decorative Small Projects (paperweight, horseshoe cowboys, small metal art, piggybanks, etc.) | Plaque |
| 14. | Functional Small Projects (lamp, hat rack, boot jack, towel racks, doorknockers, doorbells, etc.) | Plaque |
| 15. | Decorative Large Projects (large metal art) | Plaque |
| 16. | Farmstead Tools (post driver, Tee post puller, etc.) | Plaque |
| 17. | Forged Agricultural Use Projects (bits, spurs, etc.) | Plaque |
| 18. | Grand Champion Agricultural Mechanics Exhibit | Plaque & \$100 |
| 19. | Reserve Grand Champion Agricultural Mechanics Exhibit | Plaque & \$50 |

SECTION 424 - FFA CHAPTER MECHANICS SWEEPSTAKES

FFA Chapter Mechanics Sweepstakes takes the highest number of points accumulated in the mechanics department.


| Classes: | 1st | 2 nd | 3 rd | 4 th | 5 th | 6 th | 7 th | 8 th | 9 th | 10 th |
|--------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------------|
| 1-3 | 40 | 38 | 36 | 34 | 32 | 30 | 28 | 26 | 24 | 22 |
| 4-8 | 30 | 28 | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| 9-12 | 20 | 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 |
| 13-16 | 10 | 8 | 6 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 17-18 | 6 | 4 | | | | | | | | |
| 1. | Grand Champion Chapter Agricultural Mechanics Sweepstakes | | | | | | | | | Plaque & \$250 |
| 2. | Reserve Grand Champion Chapter Agricultural Mechanics Sweepstakes | | | | | | | | | Plaque & \$150 |
| 3. | Bronze Chapter Agricultural Mechanics Sweepstakes | | | | | | | | | Plaque & \$100 |

4-H Inside Exhibit Entry Tags

4-H will be the only class to use these tags

1. Check appropriate division
2. Ensure exhibitor's full name and a school or parent phone number is included on the tag in order to return entries to students
3. Duplicate copies (top for leader, middle for judging, bottom for display)
4. Please mark tags firmly so all layers are legible

TAGS MUST BE SECURELY ATTACHED WITH RUBBERBAND, TAPE, OR PIN BEFORE BRINGING TO THE FAIR.

| ADAIR COUNTY FAIR | |
|---|---------------|
|  | HCE OPEN |
| YEAR _____ | |
| SECTION _____ CLASS _____ | |
| CLASS NAME: | 1st ● |
| _____ | 2nd ● |
| NAME _____ | 3rd ● |
| CLUB / ADDRESS | 4th ● |
| _____ | 5th ● |
| JUDGE _____ | |
| LEADER COPY | |

Cloverbuds

Section 0-7

Young Children

(7 years old & under)
Blue Ribbons Only

1. **Art**
 - a. Watercolor/tempera paint
 - b. Oils or acrylics
 - c. Pastels
 - d. Pen
 - e. Pencil
 - f. Charcoal
 - g. Colored Pencil
 - h. Colored Markers
 - i. Colored Pens (Felt type)
 - j. Combination of 2 or more from above
2. **Ceramics**
 - a. Glazed
 - b. Stained
3. **Woodcraft**
4. **Wall Hanging**
5. **Fabric Craft**
6. **Flowers**
7. **Beadwork**
 - a. Necklace
 - b. Bracelet
 - c. Other
8. **Basket Work**
9. **Needle Craft**
 - a. Needle Point
 - b. Counted Cross-stitch
 - c. Other (Crewel, embroidery)
10. **Stuffed Toy**
11. **Dough Art**
12. **Clay Article**
13. **Metal Craft**
14. **Leather Craft**
15. **Foam Decorations**
16. **Misc. (other) BAKING**
17. **Drop Cookies**

OHCE Fair book





Thank you

for supporting the

Adair County Free Fair



ADAIR COUNTY
EXTENSION