

cycle of two insects may be displayed if desired.

691 Fifth year project (may be repeated for successive years of eligibility but must be a different exhibit. No exhibit that has been judged in any previous State Fair may be entered.) Any type of display that pertains to experiences beyond those of previous projects. Special collections of native and/or exotic butterflies, beetles to some other insect order; a study in depth of one insect or small group of insects: a display of insect camouflage: a display of plastic embedded insects: a collection of insect larvae and nymphs are examples. Charts, photographs, models or any other visual aids may be used. 4-H'ers are encouraged to write a short (1 or 2 paragraphs) statement developing the theme of their fifth year display.

Hives and HONEY

Honey will show better in oval, flat sided to square clear glass containers. 4-H'ers should use standard Queenline or Classic honey jars. Mason jars are not ideal for entering honey because of the cast-in dec oration. The jars and lids must be **clean**. **Fill jars to within 1/2 inch of top. Note: Two jars must be submitted for the following classes.**

Display cases for capped honey made be made by 4-Hers or bought from a store, but they must be bee-proof and have a removable top in order for the judge to check moisture. One frame per container.

Observation hives shall be secure from the opening to the satisfaction of the Beeds and Honey Superintendent. This shall include the top of the observation hive and all holes and openings. Openings should be secure by screws or locks. Observation hives may be picked up after the end of judging on Tuesday August 14, 2018.

692	Two one pound glass Queenline or Classic jars of white extracted honey
693	Two one pound glass Queenline or Classic jars of light amber extracted honey
694	Two one pound glass Queenline or Classic jars of amber extracted honey
695	Two one pound glass Queenline or Classic jars of dark amber extracted honey
696	Two wide mouth pints or Classic jars of chunk honey, any color.
697	Any frame of capped honey suitable for comb honey (Light)
698	Any frame of capped honey suitable for comb honey (Amber)
699	Any frame of capped honey suitable for extraction (Light)
700	Any frame of capped honey suitable for extraction (Amber)
701	Best display of one-frame observation hive of honey bees consisting of worker bees, a properly marked queen, and brood.

A Grand Champion and Reserve Champion will be selected for Entomology Division and also for Honey Division.

DIVISION 6027 - 4-H FORESTRY Laurie Taylor Thomas

Area Extension Specialist in Forestry
216B Thomas Poe Cooper Building
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Project entry must meet all the requirements for the class; otherwise, the entry will be disqualified.

1. Only one entry per 4-H member permitted in the Forestry Division.
2. Exhibitors are not to exceed the number of specimens listed for each class. If an exhibitor exceeds these numbers, the entry will be judged for blue, red and white ribbons, but will not be considered for Champion.

FIRST YEAR

703 Leaf Collections
Collection of 10 leaves representing 10 forest trees found in Kentucky. Mounting instructions in the forestry book, "4-H Forestry Project Unit I - Introducing Yourself to Trees" (**4DF-01PA or most recent version**) Activity #1 are to be followed.

704 Leaf Print Collection
Collect and print 10 leaves representing 10 forest trees found in Kentucky. Instructions in the forestry book, "4-H Forestry Project Unit I - Introducing Yourself to Trees" (**4DF-01PA or most recent version**) Activity #3 are to be followed.

SECOND YEAR

705 Leaf Collection-2nd year
Collection of 20 leaves representing 20 forest trees and **different from ones done by same exhibitor in first year project** found in Kentucky. Mounting instructions in the forestry book, "4-H Forestry Project Unit I - Introducing Yourself to Trees" (**4DF-01PA or most recent version**) Activity #1 are to be followed.

706 Educational Exhibit
Develop a creative educational exhibit on some phase of forestry. The exhibit may utilize any visual technique. The total exhibit is not to exceed dimensions of 2' x 2', or four (4) square feet.

THIRD YEAR AND OVER

707 Educational Exhibit
Develop a creative educational exhibit on some phase of forestry. The exhibit may utilize any visual technique. The total is not to exceed dimensions of 3'x3', or nine (9) square feet.

708 Stem, Leaf, Fruit display
Collect and mount 5 stems, leaves and fruit representing 5 forest trees found in Kentucky. **Follow closely the instructions in the forestry book, "4-H Forestry Project Unit I - Introducing Yourself to Trees" (4DF-01PA or most recent version)** Activity #2 is to be followed, including the 2' x 3' **exact** size.

DIVISION 6028 - GEOLOGY

RICHARD SMATH - CONSULTANT

KENTUCKY GEOLOGICAL SURVEY

228 MINING AND MINERAL RESOURCES BL.;DG.

UNIVERSITY OF KENTUCKY

LEXINGTON, KY 40505-0107

859-323-0503

Project entry must meet all the requirements for the class; otherwise, the entry will be disqualified.

1. Only one entry per 4-H member permitted in Geology.
2. 4LO-11S0 Identification Card should be securely attached to the lower right hand corner of the front of the box.
3. Display boxes must be no less than 16" no more than 20" vertically and no

less than 22" no more than 24" horizontally.

4. All boxes must have Plexiglas cover that can be easily removed for judging.
5. EACH exhibit must be secured with a lock. Attach a key to box with your name and county firmly attached to key. Key will be returned to 4-H agent. Keep another key in case State Fair key is misplaced.
6. Hinges and Locks: Make flush or mount on sides or top of boxes so boxes will sit level.
7. Fabric: If fabric is used, use a fabric glue to adhere entire piece of fabric to box. Suggested fabrics are felt or velveteen.
8. Rocks, Minerals, and Fossils: Should be firmly attached to the box, and should be numbered to correspond with the number on the Geology Identification Labels. (4DB-01S0)
9. Boxes will be displayed on their side, not flat. Therefore, larger specimens must be attached near the lower portion of the box.
10. Geology Identification Labels (4DB-01S0) available from the County Extension Agent for 4-H or 4-H website. These are the only labels acceptable.
11. Exhibits will be disqualified for class champion if:
 - a. Box does not fit in the size stated in rule 3
 - b. Box contains too few or too many specimens
 - c. Box does not have a Plexiglas cover that can be opened
- d. Labels not correctly filled out
 - e. Specimen is mounted jewelry
 - f. Specimen is mounted and polished
 - g. Specimen and label are not numbered
 - h. Specimens are not arranged in numerical order
 - i. Duplicate specimens are used to reach minimum number

12. The following score card will be used to judge geology exhibits:
 - a. Correct identification and labeling- 5 points for each specimen.
 - b. Neatness, arrangements, background- 20 points for total exhibit.
13. Class champion will be selected in each class with a Grand Champion and Reserve Grand Champion selected from Class Champions.
14. 4-H'ers entering fifth year and up cannot enter the same exhibit that has been judged in any previous State Fair.

Classes Are:

For each of the classes, specimens may consist of rocks, minerals, and or fossils. There is a separate label for rocks, minerals, and or fossils (three different labels).

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| 715 | First year Geology- consisting of 15 different specimens. |
| 716 | Second year Geology-consisting of 25 different specimens (up to 12 may be from previous project year) (no more than 2 boxes) |
| 717 | Third year Geology- consisting of 35 different specimens (up to 17 may be from previous project year) (no more than 2 boxes) |
| 718 | Fourth year Geology- consisting of 50 different specimens (up to 25 may be from previous project year) (no more than 2 boxes) |
| 719 | Special collection for fifth year or more members-creative, advanced display of member's choosing which depicts a geological process, theme, story, or manufacturing process. Posters, notebooks and written narratives may be included. |

DIVISION 6029 – 4-H ARTS

Jennifer Tackett

Extension specialist for 4-H and Youth Development

1. All classes are from Portfolio Pathways (Section A) and Sketchbook Crossroads (Section B) 4-H Core Curriculum except for Trends and Heritage Crafts.
2. Junior: Any member age 9-13 Senior: Any member age 14-19.
3. Seniors must submit an artist statement . Please write a paragraph minimum about your piece of art.

Name
Class
Title Of Work
Medium (What is it Made of?)
Explanation of where you got your inspiration or ideas from in creating

this work

Explanation of elements and principles of design that pertain to your work
What kind of message were you trying to communicate to the viewer (mood, feeling, emotion, etc.?)
How does this represent you as an artist?

4. **All items must have been made since the last State Fair.**
5. Tags (4LO-11S0) must be attached to the lower right front corner of paintings, drawings, etc. For other exhibits, neatly secure the ID card where it can be seen by the public with tape, or punch a hole in the corner of the tag and attach with string or rubber band. For items with more than one piece, a description on the back of the ID card is suggested with number of pieces, color, etc. In addition, label each item in an inconspicuous location; include a minimum of name and county (clothing label 4LO-12SO may be utilized).
6. **All items must have been made since the last State Fair.**
7. Tags (4LO-11S0) must be attached to the lower right front corner of paintings, drawings, etc. For other exhibits, neatly secure the ID card where it can be seen by the public with tape, or punch a hole in the corner of the tag and attach with string or rubber band. For items with more than one piece, a description on the back of the ID card is suggested with the number of pieces, color, etc. In addition, label each item in an inconspicuous location; include a minimum of name and county (clothing label 4LO-12SO may be utilized).
8. Project entry must meet all the requirements for the class; otherwise, the entry will be disqualified.
9. Appropriate hangers for project work is any hardware permanently attached to the project that can be displayed on a metal grid work walls via metal S hook, binder clip, or zip tie. ***NOTE: mat board can be displayed utilizing binder clips while stretched canvas can be displayed with S hooks.
10. Subject matter is not "family friendly" in context.
11. Small items, which are easily separated or destroyed, may be placed in small plastic bags. For items with more than one piece, a description on the back of the ID card is suggested with number of pieces, color, description, etc. In addition, label each piece in an inconspicuous location include a minimum of name and county (the clothing label can be utilized [4LO-12SO]).

SECTION A: Portfolio Pathways Painting

727a. Junior Acrylic Still Life: (pg.12) Using acrylic paint to create a Still Life.

727b. Senior Acrylic Still Life: (pg.12) same as Junior.
728a. Junior Water Color: (pg.14) Using watercolors and a variety of techniques to complete a painting on watercolor paper.

728b. Senior Water Color: (pg.14) same as Junior.
729a. Junior Abstract: (pg.18) Using acrylic paints experiment with abstract designs to complete a painting.
729b. Senior Abstract: (pg.18) same as Junior
730a. Junior Sand Painting: (pg.20) On an 8"X10"X1/4" sanded plywood or particle board. Explore painting with colored sand mixed with glue.
730b. Senior Sand Painting: (pg.20) same as Junior
731a. Junior Self Portrait: (pg.22) Using acrylic or watercolor paints

Complete a self-portrait using any drawing or painting technique.
731b. Senior Self Portrait: (pg.22) same as Junior
732a. Junior Human Action: (pg.24) Using acrylic or watercolor paints capture human action through the use of vivid colors, lines, and texture when painting.
732b. Senior Human Action: (pg.24) same as Junior
733a. Junior Oil Painting: (pg.26) Using oils on canvas or canvas board.

Experiment with different techniques of laying oil to canvas to create a finished painting.

733b. Senior Oil Painting: (pg.26) same as Junior
734a. Junior Oil Landscape: (pg.30) On a 16"X18" stretched and primed canvas, canvas board or sheet of Masonite coated in gesso. Lay out a one-point landscape perspective drawing and use oil paints to show atmosphere and distance.
734b. Senior Oil Landscape: (pg.30) same as Junior

Printing

735a. Junior Intaglio Collagraph Print: (pg.38) On 8 1/2"X11" paper. Create a collagraph block at least 6" wide and create any color print using intaglio printing method.

735b. Senior Intaglio Collagraph print: same as Junior
736a. Junior Blueprint Paper Print: (pg.40) On blueprint paper create a sun print; at least 5 1/2 X 8 1/2 in. using cyanotype or Light or sun sensitive paper.
736b. Senior Blueprint Paper Print: same as Junior
737a. Junior Etched Plexiglas: (pg.42) Create an original print using an etched Plexiglas plate. The print should be at least 5 1/2" X 8 1/2" in. Plexiglas etching uses the intaglio method of printing.
737b. Senior Etched Plexiglas: same as Junior
738a. Junior Wax Resist Print: (pg.44) Create intricate designs for printing using a wax resist method.
738b. Senior Wax Resist Print: same as Junior
739a. Junior Tire Stamp Print: (pg.44) Cut pieces of inner tube tire, glue it onto wood block, and print using a stamp pad.
739b. Senior Tire Stamp Print: same as Junior
740a. Junior Linoleum Print: (pg.48) Create linoleum print using linoleum block on paper.

740b. Senior Linoleum Print: same as Junior
741a. Junior Hand Drawn Negative Photograph: (pg.51) You will draw a negative on frosted acetate, then print onto photographic paper (8"X10" in.) as a positive, using a photographic process.
741b. Senior Hand Drawn Negative Photograph: same as Junior.

Graphic Design

743a. Junior 5 Color Design: (pg.62-63) Create (2) two 8"X10" in. landscapes. 5 color designs are identical except for (1) one color. Change (1) one color to create a second design. Use paint, paper or computer graphics program. Mount on a matt board.

743b. Senior 5 Color Design: Same as Junior.
744a. Junior Computer Drawing: (pg.70) Explore the use of computer tools and techniques to doodle, draw and replicate images. Print out each design showing the use of various tools.

744b. Senior Computer Drawing: same as Junior.

SECTION B Sketchbook Crossroads

Drawing

745a. Junior Contour Drawing: (pg.12) Draw objects using the contour drawing method. Do 2-3 drawings of the same object from different angles.
745b. Senior Contour Drawing: same as Junior
746a. Junior Two Point Perspective: (pg.16) On sketch paper, draw a two point perspective that has a point at each end of a horizontal segment.
746b. Senior Two Point Perspective: same as Junior
747a. Junior Circular Shape Object: (pg.18) Draw a subject to fit a circular shape.

747b. Senior Circular Shape Object: same as Junior
748a. Junior Color Pencil: (pg.20) Draw with colored pencils and use turpenoid to blend the colors.

748b. Senior Color Pencil: same as Junior
749a. Junior Pen and Ink: (pg.22) Sketch animals or other objects using pen and ink.

749b. Senior Pen and Ink: same as Junior
750a. Junior Calligraphy: (pg.24) On 8 1/2 by 11 paper, rewrite a quote, poem or pledge using Calligraphy. Make sure to include the author on the piece.

750b. Senior Calligraphy: Same as Junior
751a. Junior Cartooning: (pg.27) Cartooning is a simple process of making line drawings show sequential motion. Create your own cartoon character showing motion. Must create at least three blocks.
751b. Senior Cartooning: same as Junior

Fiber Arts

752a. Junior Felted Wool Applique Mat: (pg.31) Felt wool to create a design. Applique design to a felted wool mat. Max size of mat 18"X24" in. Use 100% wool to felt.

752b. Senior Felted Wool Applique Mat: same as Junior
753a. Junior Cotton Linter Bowl: (pg.34) Experiment with cotton linter using molds and shaping the linter to form bowls. Enhance the cotton with colored pencils, threads, floss, dried flowers to make a unique creation.