

tion field will include the following information, with one space between each line:

[4-Her's Name, County, Lot Number, Class Number]

[Date of original photograph]/[Location of original photograph. Location may be in the form of a street/city/zip code address or GPS coordinates.]

[Brand and type of camera or camera phone]

[Settings, including type of lens, relevant camera settings, and "flash" or "not flash"]

[Insect Order – Common Name (if applicable)]

[Brief description of life stage, behavior, or adaptation]

–Second year entomology photography exhibits are judged on the following categories: identification, description of life stage, behavior, or adaptation, labels, quality of photographs. Check with county 4-H agent for point distribution on score sheet.

–Identification to order is necessary for any nymphs, larvae, pupae, and adult insects in the project; common name identification is necessary for at least one-half of adult insects in the project.

–No images from the first-year insect photography may be reused for this project.

*1304. Third year project - (Three 9"x13" official cardboard boxes, or two 18"x24" wooden boxes, with a minimum of 10 orders and 100 insects, a maximum of 150 insects.)

*1305. Fourth year project – (Three 9"x13" official cardboard boxes, or two 18"x24" wooden boxes, with minimum of 12 orders and 150 insects, no maximum). An addition cardboard or wooden box with an example of insect damage, the stage of the insect causing the damage and any other stage of the insect that helps identify the problem. Include information in the display that tells how the insect is controlled. Life cycle of two insects may be displayed if desired.

*1306. 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-Hers are encouraged to write a short (1 or 2 paragraphs) statement developing the theme of their fifth year display.

1307. Miscellaneous Insect Display

HIVES AND HONEY CLASSES

1. Honey shows better in oval flat sided to square clear glass container. 4-H'ers should use standard honey jars. Wide-mouth mason jars or wide-mouth honey jars may be used. The jars and lids must be clean. Fill jars to the "fill line". The "fill line" is the continuous ring that circles the jar and not necessarily the threads that help hold the lid. Note: Two (2) jars must be submitted.

2. Display cases for capped honey may 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.

3. Observation hives shall be secure from opening. This shall include the top of the observation hive and all holes and openings. Openings should be secure by screws or locks. Hives may be picked up after the end of judging.

Two (2) one pound glass jars of:

*1308. White extracted honey

*1309. Light amber extracted honey

*1310. Amber extracted honey

*1311. Dark amber extracted honey

*1312. Chunk honey, any color

Any frame of capped honey suitable for:

*1313. Comb honey (light)

*1314. Comb honey (amber)

*1315. Extraction (light)

*1316. Extraction (amber)

*1317. Best display for one-frame observation hive of honey bees consisting of worker bees, a properly-marked queen, and brood.

1318. Miscellaneous honey

Any class with an asterisk () on the left hand side is eligible to go on to the Kentucky State Fair.*

TUESDAY MORNING/AFTERNOON DIVISION A

**JULY 16, 2019
10:00am-7pm**

4-H Geology

1400's

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 (3 different labels).

Rules:

1. Display boxes must be no less than 16" nor more than 20" vertically and no less than 22" nor more than 24" horizontally.

2. All boxes must have Plexiglas cover that can be easily removed for judging.

3. EACH exhibit must be secured with a lock. Attach a key to the 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.

4. Hinges and locks: Make flush or mount on sides or top of boxes so boxes will sit level.

5. Fabric: If fabric is used, use fabric glue to adhere entire piece of fabric to box. Suggested fabrics are felt or velveteen.

6. 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. For labels contact the Extension Office or KY Geological Survey website (<http://www.uky.edu/KGS/education/4H.htm>).

7. Boxes will be displayed on their side, not flat. Therefore, larger specimens must be attached near the lower part of the box.

8. Exhibit will be disqualified if specimen is polished or mounted jewelry.

9. Exhibit will be disqualified if duplicate specimens are used to reach minimum number. (See state fair guidelines for exceptions.)

10. 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 (3 different labels).

*1400. First year geology – consisting of 15 different specimens.

*1401. Second year geology – consisting of 25 different specimens. (Up to 12 may be from previous project year; no more than two (2) boxes)

*1402. Third year geology – consisting of 35 different specimens. (Up to 17 may be from previous project year; no more than two (2) boxes)

*1403. Fourth year geology – consisting of 50 different specimens. (Up to 25 may be from previous project year; no more than two (2) boxes)

*1404. 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.

1405. Miscellaneous

TUESDAY MORNING/AFTERNOON DIVISION A

**JULY 16, 2019
10:00am-7pm**

4-H Forestry

1500's

Rule:

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 top awards. If exhibit contains less than the correct number, it will be disqualified.

Level 1

*1500. Leaf Collection – 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) – Follow Activity #1