



## **DIVISION 6028 – GEOLOGY**

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1. See general rules applying to all 4-H exhibitors and general rules applying to all exhibits other than livestock listed previously in this catalog.
2. Only one entry per 4-H member permitted in Geology.
3. Only one entry per county per project year.
4. 4LO-11S0 Identification Card should be securely attached to the lower right corner of the front of the box.
5. Display boxes must be no less than 16 inches nor more than 20” inches vertically and no less than 22” nor more than 24” inches horizontally.
6. All boxes must have Plexiglas cover that can be easily removed for judging.
7. 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.
8. Hinges and locks: Make flush or mount on sides or top of boxes so boxes will sit level.
9. Fabric: If fabric is used, use fabric glue to adhere entire piece of fabric to box. Suggested fabrics are felt or velveteen.
10. 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 (see rule 12 for labels).
11. Boxes will be displayed on their side, not flat. Therefore, larger specimens must be attached near the lower part of the box.
12. Rock, Mineral, and Fossil identification labels and instructions are available in a Word or PDF format at the Kentucky Geological Survey website (<http://www.uky.edu/KGS/education/4H.htm>).





13. Exhibits will be disqualified for class champion if:
  - a. Box does not fit in the size stated in rule 5.
  - 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. However, varieties of the same rock or mineral are acceptable if the specimen is identified by a different name (i.e., quartz, smoky quartz, amethyst, agate, chert, flint or calcite, Iceland spar, aragonite, travertine). Also acceptable if the duplicate specimen has an adjective in front of the specimen (i.e., calcite, red calcite, or limestone, fossiliferous limestone, oolitic limestone). If each entry in that class has duplicate named specimens, then each entry may qualify for class champion, but will not be eligible for grand champion.
  
14. The following scorecard will be used to judge Geology exhibits:
  - a. Correct identification and labeling: 5 points for each specimen. (Collections will be judged more favorably that have different types of specimens, rather than many different varieties of the same rock, mineral, or fossil; i.e., gray limestone, light gray limestone, dark gray limestone, or red calcite, blue calcite, green calcite).
  - b. Cards/specimen: 1 point each that each specimen has the label completely filled out, along with specimen number,
  - c. Found on site: Since this is an exercise in becoming familiar with rocks, minerals, and fossils, an extra 1 point will be given for specimens that are found rather than purchased or given as gifts. (Be sure to ask permission if you have to enter private property. The Internet is a good place to search for rock clubs and geological surveys of your and other states for information on collecting localities.
  
  - d. Neatness, arrangements, background: 20 points for total exhibit.
  
15. Class champion will be selected in each class, and a grand champion and reserve grand champion will be selected from class champions.
  
16. 4-H'ers entering the fifth year and higher 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) at the Kentucky Geological Survey website (<http://www.uky.edu/KGS/education/4H.htm>).

- 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 two boxes).
- 717 Third year geology: Consisting of 35 different specimens (up to 17 may be from previous project year; no more than two boxes).
- 718 Fourth year geology: Consisting of 50 different specimens (up to 25 may be from previous project year; no more than two boxes).
- 719 Special collection for fifth year or higher members: Creative, advanced display of member's choosing that depicts a geological process, theme, story, or manufacturing process. Posters, notebooks, and written narratives may be included.

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