

Department 34 — 4-H GEOLOGY & LAPIDARY

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The exhibit box should be 18 x 24 x 3½". **Plexiglas covers are required. Boxes with glass covers WILL NOT be accepted.** All specimens are to be arranged across the narrow (18") dimension of the exhibit box, making the exhibit 18" across the top and 24" deep exactly. If a box has a sliding Plexiglas cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used.

Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper left-hand corner of the Plexiglas cover (inside-use clear double-sided tape to adhere gummed labels), and attaching a label with the same information on the lower right corner of the box (outside).

Exhibitor may enter in both geology and lapidary sections. Exhibits must be different. Exhibitor may show in only one of the first four geology classes. Exhibitor may also show in geology class 5 (special exhibit) and in one lapidary class.

Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county) where collected.

For geology classes 1, 2, 3 & 4, specimens should be mounted in the box by proper groups; rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. More than one specimen of the same kind of rock or mineral of species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; exact specimen must have different formation names listed on the I.D. card; Composite Brachiopod from Morrill Limestone not just Brachiopod or composite Brachiopod).

For geology classes 1, 2, 3 & 4, all specimens must be collected from locations in Kansas. Out-of-state specimens will not count in the minimum number for the class, nor will they be considered for judging.

Champion and Reserve Champion will be awarded in each section.
Grand Champion and Reserve Grand Champion will be awarded.

Section 1 JUNIOR, 7 - 12 years of age

Section 2- SENIOR, 13 - 18 years of age

Class 3400 Geology—Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. Limited to one exhibit box. Only those exhibiting at the State Fair for the first time may enter this class.

Class 3401 Geology—Display at least 30 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4-H year. Limited to one exhibit box. This class open to those exhibiting either first or second time at State Fair.

Class 3402 Geology—Display at least 45 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4-H year. Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the State Fair. List as igneous, metamorphic or sedimentary.

Class 3403 Geology—Display at least 60 rocks, minerals, or fossils, at least 5 of each. Fifteen must be collected during the current 4-H year. Exhibit is limited to two boxes. This class is open to those exhibiting the fifth or more time at the State Fair. List as igneous, metamorphic or sedimentary.

Class 3404 Geology—Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Exhibit limited to 4 feet of table space. Care should be taken to use durable materials that will stand fair conditions. Exhibitor may show in the class regardless of number of time he or she had exhibited at State Fair or whether exhibitor has entries in classes 1, 2, 3 or 4. Exhibitor may also exhibit in lapidary class.

Lapidary Classes

The lapidary will be judged on the following criteria:

Workmanship and Content	60 points
Presentation and showmanship	30 points
Accuracy of information	10 points

All lapidary specimens should be labeled with the following information:

- Specimen name
- Place of origin (county, state, or county: county required for Kansas specimens)
- Purchased or self-collected
- Date lapidary treatment began
- Date lapidary treatment completed (treatment completed after the State Fair is considered a new year specimen)

Class 3410 Lapidary—Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of ‘before and after’, nor do they have to be self-collected. Locales must be identified. Only those exhibiting lapidary at State Fair for the first time may exhibit in this class.

Class 3411 Lapidary—Display before and after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-Her collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year.

Class 3412 Lapidary—Display before and after examples of at least 6 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least two varieties should be collected from the native site by the 4-Her, at least one of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

Class 3413 Lapidary—Display before and after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the the native site by the 4-Her, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

Class 3414 Lapidary—Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.