

4-H ROCKS AND MINERALS

The following are guidelines for providing learning experiences in the rocks and minerals project area.

GENERAL GUIDELINES FOR ALL MEMBERS

- Learn where to find rocks and minerals.
- Learn how rocks tell the story of Michigan's age and development.
- Learn to identify Michigan specimens.
- Learn to identify and classify metamorphic, igneous, and sedimentary rocks, as well as fossils and minerals.
- Study how fossils are formed.
- Learn how to use specimen identification labels and identification sheets.
- Learn about rock-forming minerals.
- Learn how rocks are polished.
- Learn and practice safety precautions.
- Visit a museum to look at their collection.
- Tour a tile factory.
- Learn how soils are developed from rock.
- Learn which specimens are soft and require special handling.
- Compare fresh broken rock surface with weathered surface.
- Become aware of early history in the making through stone fences, stone foundations, stone houses and tomb stones.

4-H FAIR CLASSES FOR ROCKS AND MINERALS

If members want to exhibit at the fair, the classes for rocks and minerals are categorized according to the year in the project. First year members should exhibit in the Rocks and Minerals Project I, unless they have already met the requirements for the class from prior experience outside of 4-H. If they have had prior experience the leader may move them up to a more advanced class to best meet their needs.

General Information:

1. An exhibit that does not meet the established criteria for a class, will be dropped one grade.
2. Attach index card to exhibit tag if member is disabled or has reached his/her capability. Use card to briefly explain this.
3. The exhibit should be shown in suitable show case or box.

Class

- *Project I - Collection of 20 different Michigan specimens and identifications.
- *Project II - Collection of 20 different specimens and identifications, including 5 of each of metamorphic, igneous, sedimentary, fossils.
- *Project III - Collection of 25 different specimens and identifications. Same specifics as in Project II.
- *Advanced - Display illustration of some special geology study or rock hobby activity.