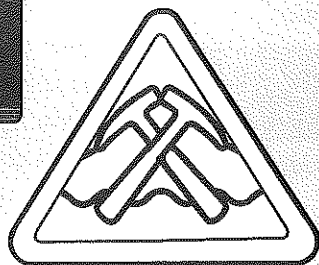
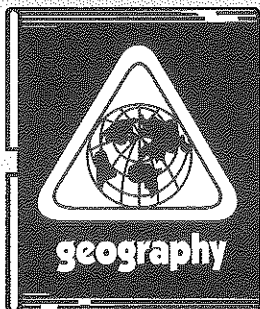


Cub Scout Academics: Geology



REQUIREMENTS

Tiger Cubs, Cub Scouts, and Webelos Scouts may complete requirements in a family, den, pack, school, or community environment. Tiger Cubs must work with their parents or adult partners. Parents and partners do not earn loops or pins.

Belt Loop

Complete these three requirements:

- _____ 1. Explain to your den or an adult family member what *geology* means.
- _____ 2. Collect samples of igneous, sedimentary, and metamorphic rocks. Explain how each was formed.
- _____ 3. Collect samples of three minerals. Explain to your family or den what a mineral is and show and tell about the minerals you collected.

Academics Pin

Earn the Geology belt loop and complete five of the following requirements:

- _____ 1. Make a plaster cast of a fossil.
- _____ 2. Make a special collection of rocks and minerals that illustrates the hardness scale.
- _____ 3. Give examples of sedimentary, igneous, and metamorphic rocks.
- _____ 4. Gather several different types of rocks. Compare them and put them in groups according to physical properties such as color, texture, luster, hardness, or crystals.

- _____ 5. Describe the effects of wind, water, and ice on the landscape.
- _____ 6. Make "pet rocks" using rocks, paint, and glue-on eyes. Tell a creative story about your pet rocks.
- _____ 7. Draw a diagram showing different types of volcanoes or draw a diagram that labels the different parts of a volcano.
- _____ 8. Make a crystal garden.
- _____ 9. Make a collection of five different fossils and identify them to the best of your ability.
- _____ 10. Make a poster or display showing 10 everyday products that contain or use rocks or minerals.
- _____ 11. Visit a mine, oil or gas field, gravel pit, stone quarry, or similar area of special interest related to geology.
- _____ 12. With your parent or adult partner, visit with a geologist. Find out how he or she prepared for the position. Discuss other careers related to geology.
- _____ 13. Draw the inside of a cave showing the difference between stalactites and stalagmites.