



# CUB SCOUT ACADEMICS AND SPORTS PROGRAM



## Academics Geology

### Belt Loop

Complete these three requirements:

- \_\_\_\_ 1. Define geology.
- \_\_\_\_ 2. Collect a sample of igneous, sedimentary, and metamorphic rocks. Explain how each was formed.
- \_\_\_\_ 3. Explain the difference between a *rock* and a *mineral*.

### 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. Visit with a geologist. Find out how he or she prepared for the job. Discuss other careers related to geology.
- \_\_\_\_ 13. Draw the inside of a cave showing the difference between stalactites and stalagmites.

Cub's Name: \_\_\_\_\_ Parent's Signature: \_\_\_\_\_

Initial each item completed, sign the form, and turn in to your son's Den Leader.