



# Cub Scout Academics: Geology

Cub Scout Pack 49

Denison, Iowa

Name of Scout: \_\_\_\_\_ Den: \_\_\_\_\_ Date: \_\_\_\_\_

**Please check what you have completed for either the loop or the pin:**

## REQUIREMENTS FOR THE GEOLOGY ACADEMICS BELT LOOP

Complete these three requirements:

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

## REQUIREMENTS FOR THE GEOLOGY ACADEMICS PIN

\_\_\_ Required: Belt loop previously earned (or all three of the above requirements checked).

Complete five of the following requirements:

- \_\_\_ Make a plaster cast of a fossil.
- \_\_\_ Make a special collection of rocks and minerals that illustrates the hardness scale.
- \_\_\_ Give examples of sedimentary, igneous, and metamorphic rocks.
- \_\_\_ 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.
- \_\_\_ Describe the effects of wind, water, and ice on the landscape.
- \_\_\_ Make "pet rocks" using rocks, paint, and glue-on eyes. Tell a creative story about your pet rocks.
- \_\_\_ Draw a diagram showing different types of volcanoes or draw a diagram that labels the different parts of a volcano.
- \_\_\_ Make a crystal garden.
- \_\_\_ Make a collection of five different fossils and identify them to the best of your ability.
- \_\_\_ Make a poster or display showing 10 everyday products that contain or use rocks or minerals.
- \_\_\_ Visit a mine, oil or gas field, gravel pit, stone quarry, or similar area of special interest related to geology.
- \_\_\_ Visit with a geologist. Find out how he or she prepared for the job. Discuss other careers related to geology.
- \_\_\_ Draw the inside of a cave showing the difference between stalactites and stalagmites.

I certify that this Cub Scout has completed the above marked requirements to the best of his ability.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_