



## ROCKS ROCK Junior Girl Scout Badge\* GEOFAIR

### 1. BE A ROCK HOUND!

Start a rock collection at the Cincinnati Gem and Mineral Show. Ask questions about the different kinds rock, minerals, and fossils.

### 2. GEO HUNT

No activity at the show.

### 3. WHAT TYPE IS IT?

Rocks fall into one of three categories. Describe the characteristics of the three types of rock.

Igneous \_\_\_\_\_

Metamorphic \_\_\_\_\_

Sedimentary \_\_\_\_\_

Which rocks in your collection are?

Sedimentary \_\_\_\_\_,

Metamorphic \_\_\_\_\_,

Igneous \_\_\_\_\_,

### 4. SOIL SENSE

Make a list of the different particles that make up soil in this area.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

\*Note: No merit badge officials will be available at the meeting.

Where do the soil ingredients come from?

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Soil in other areas of the country may be different. What are some of these different elements?

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#### 5. "GEO" CAREERS

Talk with a geologist or a paleontologist about the different types of training or education they need to do their jobs. What other kind of careers relate to studies of the earth?

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Check out the booths of the:

University of Cincinnati – See the display on fossils

Miami University – Minerals – Use – Ways to Identify

Northern Kentucky University – Volcano Activities

Cincinnati Mineral Society and Dry Dredgers at the Welcome Booth at the entrance

#### 6. WIPE OUT EROSION!

No activity at the Gem and Mineral Show.

#### 7. AROUND THE WORLD

Volcanic eruptions have had a tremendous impact on people who live near an active volcano. What causes volcanic eruptions and what happens during eruptions?

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#### 8. THE VIEW FROM ABOVE

No activity at the Gem and Mineral Show

## 9. FOSSIL FUN

How are fossils made?

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Find examples of fossils that are:

Impressions \_\_\_\_\_

Molds \_\_\_\_\_

Cast \_\_\_\_\_

What is Ohio's state fossil? \_\_\_\_\_

What is Kentucky's state fossil? \_\_\_\_\_

Name other common fossils found in the area. \_\_\_\_\_

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## 10. WEATHERED OR NOT...

No activity at the Gem and Mineral Show.

Girl Scout Troops should do at least one outside activity to earn the Rocks Rock Junior Girl Scout Badge.

For example: Requirement #2, girls should search for the geological clues in the community.

Requirement #8, girls look at satellite photos to locate landmarks. Requirement #10, girls look for weather clues on the land.

Date completed \_\_\_\_\_

Scout's signature \_\_\_\_\_

Leader's signature \_\_\_\_\_