



Geologist

Webelos Activity Workbook

This workbook is not required but can help you with this activity badge. Your Webelos Den Leader approves your work. No one can add or subtract from the requirements. Webelos Workbooks and much more are below: [Online Resources](#).

Send comments to the workbook developer: craig@craiglincoln.com. Workbook updated: May 2009.

Webelos' Name: _____ Pack: _____ Activity Badge Counselor: _____

Do five of these

1. Collect five geologic specimens that have important uses.

2. Rocks and minerals are used in metals, glass, jewelry, road-building products, and fertilizer. Give examples of minerals used in these products.

Metals: _____

Glass _____

Jewelry _____

Road-Building Products _____

And Fertilizer _____

3. Make a scale of mineral hardness for objects found at home. Show how to use the scale by finding the relative hardness of three samples.

Scale Number	Mineral Example	Scratch Test

4. List some of the geologic materials used in building your home. _____

5. Make a drawing that shows the cause of a volcano, a geyser, or an earthquake.

6. Explain one way in which mountains are formed. _____

7. Describe what a fossil is. _____

How is it used to tell how old a formation is? _____

Find two examples of fossils in your area.

8. Take a field trip to a geological site, geological laboratory, or rock show. _____

Discuss what you learned at your next Webelos den meeting. _____

9. While you are a Webelos Scout, earn the Cub Scout Academics belt loop for Geology. *(You can earn it again.)* _____

Online Resources *(Use any Internet resource with caution and only with your parent's or guardian's permission.)*

The Webelos Geologist Activity Badge is preparing you for [Geology](#) and [Archaeology](#) Merit Badges.

Webelos Activity Badge Workbooks: [meritbadge.org](#) -or- [usscouts.org](#)

Cub Scout Academics and Sports Workbooks: [meritbadge.org](#) -or- [Academics](#) / [Sports](#)

Resources: ► [scouting.org](#) ► [Guide to Safe Scouting](#) ► [Age-Appropriate Guidelines](#) ► [Safe Swim Defense](#)

Boy Scout Merit Badge Workbooks: [meritbadge.org](#) -or- [usscouts.org](#) **Merit Badge Books:** [www.scoutstuff.org](#)

Requirement Resources

These resources and much more are at: <http://meritbadge.org/wiki/index.php/Geologist>

1. [Resources that can be extracted or mined](#) - [Iron Refining](#) - [Oil Refining](#) - [Diamonds](#) - [Gold](#) - [Coal](#)

2. [Common Minerals and Their Uses](#) - [Minerals.Net Mineral Resources](#) - [WebMineral.Com](#) -

3. [Scale of mineral hardness](#)

4. [Geologic materials used in building.](#)

5. Wikipedia Diagrams: [Volcano](#) - [Geyser](#) - [Earthquake](#)

Encarta Diagrams: [Volcano](#) - [Geyser](#) - [Geyser diagram](#) - [Earthquake](#)

6. Formation of Mountains: [Encarta Encyclopedia](#) - [Wikipedia](#)

7. [What is a Fossil?](#) - [Fossil Facts](#) - [USGS Fossils](#) - [How Fossils are Formed](#) - [Chart of geological eras of fossils](#) - [Fossil](#)

9. [Cub Scout Academics belt loop for Geology](#)

General Resources

[CubRoundtable: Geologist 17 page reference guide-201KB\)](#)

[KISMIF: Geologist Links](#)

[Bill Smith's Webelos Leader Resources: Geologist](#)

[Webelos Roundtable Packet: Geologist](#)

[American Geological Institute](#)

[The Geological Society of America](#)

[U.S. Geological Survey](#)