

girl scout Brownies!

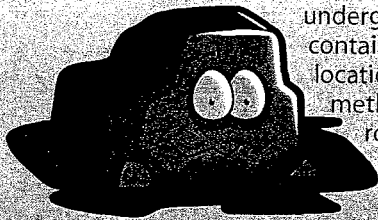
Do the ROCK walk... Become a geologist!

make it work

Geologists work to understand the history of our planet. The better they can understand Earth's history the better they can foresee how events and processes of the past might influence the future.

geologists study earth processes: Many events such as landslides, earthquakes, floods and volcanic eruptions can be hazardous to people. Geologists work to understand what has happened in an area so people can avoid building important structures where they might be damaged. If geologists can prepare maps of areas that have flooded in the past they can prepare maps of areas that might be flooded in the future. These maps can be used to guide the development of communities and determine where flood protection or flood insurance is needed. **geologists study earth**

materials: People use materials from the earth every day. They use oil that comes from below the earth's surface, metals that are mined from the earth and sea, and water from streams or from underground. Geologists locate rocks that contain important metals, advise on the location of the mines, and recommend methods to remove the metals from the rocks. They do similar work to locate and produce oil, natural gas and ground water.



make A difference

Water. water. everywhere!

Water is a precious resource that we cannot live without. Have you ever thought about how many ways water is a part of your daily life?

Make a list of the things that you do each day that involve the use of water. Observe your family members for a few days and list the ways water is used in your household. Are there any ways you could reduce the amount of water you and your family use on a daily basis? Discuss ideas on water conservation with your family, (repair leaky faucets, take shorter showers, wait until the dishwasher is full, etc.)



Share your observations with your Brownie team members at your next meeting and create some water saving tips that you can post in your home as a friendly reminder to your family members.

This activity can help Girl Scout Brownies earn the "Save Water" award. See page 108 of the Wonders of Water Journey Leadership Book ©2009 Girl Scouts of the USA.

make it count



Take it shake it!

Work on a fun project using recycled plastic bottles. Make colorful shakers and noise makers to use at the next big game to cheer on your team.

You'll need:

- Empty plastic bottles with lids, rinsed and dried
- Curling ribbon
- Funnel
- Items to place inside bottles to make interesting sounds.

suggestions:

plastic beads

pebbles

coins

bird seed

popcorn kernels

dry beans

small marbles

Fill the bottles with whatever assortment of items you like. Use the funnel to make it easier to pour in different materials.

Fill the bottles at varying levels to make different sounds.

Screw the lid back on and tie curling ribbon around the rim to decorate. Then take and shake!