

# Geologist

1. Describe a Geologist and his/her work.
2. Recite a text in the Bible telling about rocks or minerals. Tell a Bible story where rocks or stones were used.
3. Experiment with soil, sand, gravel, rocks and water. OR Make a crystal garden.
4. Collect and display five different types of rocks. Identify and label them.
5. Read together Revelation 21.
  - a. Look up the precious stones listed.
  - b. Draw a picture of the heavenly city and color it.
6. Use stones or rocks to make an art picture or paint a rock.



Grade 4

## Helps

1. A person studying the formation and origin of the earth's layers.
2. Help children to use a concordance and look up the words: stones and rocks. Revelation 21 tells of the stones used in the New Jerusalem. Encourage the use of different Bible stories.
3. Place sand, soil, gravel, rocks, and water in a quart jar and gently shake it. Let it stand for one hour and observe. Layers are called sedimentary rocks. OR grow a crystal garden. Wet several large chunks of rock thoroughly. Arrange rocks on the bottom of a large glass bowl. Pour over the rocks four tablespoons (1/4 cup) of water. Add four tablespoons (1/4 cup) liquid laundry bluing. Hold your nose and add four tablespoons ammonia. Sprinkle four tablespoons of salt evenly all over the rocks. Put a few drops of food coloring and a few drops of bluing on one or two rocks. In about three days add a mixture of two tablespoons water and two tablespoons ammonia and very carefully pour it into a puddle in the bowl. (If you pour it directly on the crystals you will melt them). Keep adding this water and ammonia mixture every few days.
4. Bring a collection of rocks and minerals to share with your group. Show children how to neatly label and display the ones they find and ways to store them.
5. Write the names on a blackboard so children may copy them down and learn a bit about each precious stone. Show a real stone whenever possible or show pictures and use a rocks and mineral book to help identify them.
6. Paint a face or animal on a rock. Glue rocks on a simple picture to make a design. Glue rocks on a jar or can to make a vase or pencil holder, etc.



## Helping Hand



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