

Out of the Rock

ACTIVITY 1

Objective:

To recognize the uses of rocks and minerals in objects we see around us.

Vocabulary:

rocks, minerals, scenarios

Materials:

- Copies of the different scenarios for each group of students
- *Out of the Rock* song

Check for Understanding:

Give students a time limit and have them list as many items as they can that are created with parts made from out of the rock.

Extensions:

You might want to create a competition for the best skit. This could be a Rock 'n Roll Academy Awards Show. The winners could be awarded prizes from the following: 1) rock candy; 2) an ice cream cone made with Rocky Road ice cream; 3) Rock 'n Roll Academy Awards Certificates that the students create.

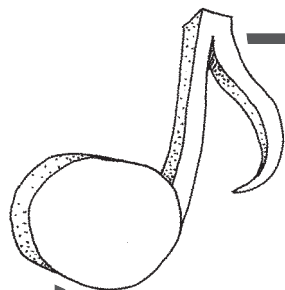
Introduction:

Rocks and minerals are a large part of our everyday life and are found in many objects around us. Rocks that have worn down become clay. Bricks are made from clay, so even bricks are another kind of rock. Rocks and minerals are used to make cement. They are used throughout buildings. They make up the sidewalks, curbs, gutters, streets, and highways. They are used in all types of transportation. Refer to the list of *Uses of Rocks, Minerals and Materials* on page vi of this guide. You may wish to create an overhead or chart of this information to share with the students.

Procedures:

1. Play the *Out of the Rock* song for the students and have them sing along. Discuss many of the uses of rocks and minerals.
2. Divide the students into groups of five or six students each. Assign each group to create a skit based on one of the included scenarios, others you create, or have the students create their own.





Out of the Rock

Scenario #1

Your group will act out a trip to the grocery store to find items for a class party. Think about activities you can do at the store that point out items that are made from rocks and minerals. You may want to include some of the following ideas. Walk around the store looking for all sorts of things to eat. Talk about what you're finding and how the food's origin is related to being from "out of the rock." Talk about the grocery cart and what it is made of. Go to the checkout stand and talk about the computer technology found there and how it all comes from "out of the rock." Discuss the store itself and what it is made of. You could include the vehicle you ride home in and what it is made of.

Scenario #2

Your group will act out a trip to the electronics store. You have been given permission to purchase new electronic equipment for your school. Think about activities you can do at the store that point out products made from rocks and minerals. You may want to include some of the following ideas. Discuss what equipment the school needs—VCRs, computers, printers, scanners, CD players, DVD players, etc. What parts come from "out of the rock?" You go to the checkout stand and point out the computer technology found there and how it all comes from "out of the rock." Come out of the store barely able to carry your heavy packages and then realize that you came to the store on your bicycles (also made of rocks and minerals). Now what are you going to do?

Scenario #3

Your group is taking a trip on a school bus. Think about items you can see while riding on the bus that are made from rocks and minerals. You may want to include some of the following things: Sidewalks, street signs, other vehicles, buildings, houses. You might see store windows, fire hydrants, mail boxes, other people, basketball hoops, chain link fences, etc. Finally you see your destination—even your school—another obvious product of rocks and minerals. Jump off the bus and run toward your destination. One of you may then realize that even the bus you were riding on comes from "out of the rock."

Scenario #4

Your group is taking a trip to the local amusement park. Think about items you can see there that are made from rocks and minerals. You may want to include some of the following things as you walk around the park. Check out the rides you see as well as the equipment you are in as you ride. The gift stores could be visited to identify items made from rocks and minerals. Don't forget the arcade. If there is an aquatic section in the park, walk through it and recognize items made from these resources. As you leave the park realize that the vehicle you came in comes from "out of the rock."