

**Project FOCUS
Best Lessons
KINDERGARTEN**

Title of Lesson: Making a Volcano

Theme: Earth/Space Science

Unit Number: 5 **Unit Title:** Rocks and Soils

Performance Standard(s) Covered (enter codes):

SKCS4

Enduring Standards (objectives of activity):

Habits of Mind

- Asks questions
- Uses numbers to quantify
- Works in a group
- Uses tools to measure and view
- Looks at how parts of things are needed
- Describes and compares using physical attributes
- Observes using senses
- Draws and describes observations

Content (key terms and topics covered):

Volcanoes, magma

Learning Activity (Description in Steps)

Abstract (limit 100 characters): This lesson familiarizes the students with what a volcano is and how it is formed.

Details: Prior to the activity, tape the water bottle (with the top of the bottle cut off) to the center of the cardboard. Make the paper mache glue by mixing liquid starch with water; for the mixture, 2/3 should be starch while 1/3 is water.

Dip torn strips of newspaper into the paper mache glue and mold it around the water bottle to form the shape of a volcano. This will take about one day to dry. After the volcano is dry, the students can paint it and decorate it with grass, leaves, and twigs. When this is completed, the students can be lead outside to "erupt" the volcano. To do this, first put baking soda into the water bottle. The students can choose the color of their magma by adding food coloring into a small cup of vinegar. Pour the vinegar into the water bottle and watch the volcano erupt!

Materials Needed (Type and Quantity):

Water bottle

Tape

24" x 24" heavy cardboard

Plenty of newspaper

Liquid starch

Water

Paint

Leaves, grass, and twigs

Baking soda

Vinegar

Food coloring

Notes and Tips (suggested changes, alternative methods, cautions):

The activity required use of paint and a mixture of liquid starch and water, so it can get messy. Make sure that the students use these materials with caution so that they may not stain their clothing.

Sources/References:

- 1) more information on building a volcano can e found on eHow.com**
- 2)**
- 3)**