

ROCKS, EROSION, AND WEATHERING KIT

HANDS ON Elementary School Science

By Linda Poore

TABLE OF CONTENTS

SECTION 1: What is a Rock?

SECTION 2: Testing Rocks for Hardness

SECTION 3: Using the Streak Test to Identify Rocks

SECTION 4: Weathering Changes Rocks

SECTION 5: Igneous Rocks

SECTION 6: How Are Sedimentary Rocks Formed?

SECTION 7: Edible Earth

SECTION 8: Erosion Changes the Earth

KIT MATERIALS

20 magnifiers	3 spring scales (0-100g)	3 spring scales (0-500g)
1 sedimentor	20 pink granite rocks	20 gray granite rocks
20 feldspar rocks	20 quartz rocks	20 mica rocks (muscovite)
20 basalt rock	20 pumice rock	20 obsidian rock
20 scoria rock	18 white tiles (streak plates)	20 galena rocks
20 hematite rocks	20 sulfur rocks	20 salt rocks
20 pyrite rocks	20 pink sandstone rocks	20 gray sandstone rocks
20 limestone rocks	18 fossiliferous limestone rocks	20 chalk rocks
1 bag of limestone chips	20 shale rocks	20 conglomerate rocks
20 gneiss rocks	20 slate rocks	20 marble rocks
red, yellow, and blue chalk	3 books of matches	1 lb. of yellow clay
1 lb. of blue clay	1 lb. of green clay	1 lb. of red clay
1 votive candle	1 coffee pot	50 plastic zip lock sandwich bags
Tin foil	1 plastic jar, 12 oz. with lid	1 bag of 5 lb. clay
1 bag sand	4 calibrated vials, 50 ml	1 bag of 1 lb. soil
50 nails	50 pennies	24 plastic cups
1 bottle of vinegar	1 dropper	10 packages of seltzer tablets
3 pieces of sandpaper	3 small cookie pans	9 masonite boards
25 foam cups	2 buckets	10 rulers (cm)
Plastic trays	Clear straws	

SUGGESTED CHILDRENS LITERATURE

Rocks and Minerals, by R.F. Symes, Knoph

Rock Collecting, by Gans, Harper

Everybody Needs A Rock, by Byrd Baylor, Aladdin

The Big Rock, by Bruce Hiscock, Macmillan

The Magic School Bus Inside The Earth, by Joanna Cole, Scholastic

Icebergs and Glaciers, by Seymour Simon, William Morrow

Volcanoes, by Seymour Simon, William Morrow

Hill of Fire, by Thomas P. Lewis, Harper & Row