

Introduction

Earth Science activity book includes fun science activities related to earthquakes, plate tectonics, the atmosphere, layers inside the Earth, sand at the seashore and how sound travels through the solids, liquids, and gases.

We believe that students learn by doing science.

Old Chinese Proverb

I hear, and I forget

I see, and I remember

I do, and I understand

Each activity contains the following:

- ◆ The **Introduction** is a brief statement about the activity and other information you might like to know before you start the activity.
- ◆ **Science behind the activity** at the end of the activity. This information explains science principles or current science research related to the activity that you might find interesting.
- ◆ **Pictures** are designed to increase your understanding of how to do the activity before you start.
- ◆ **Materials** in each activity are often found around the home. Often recycled materials can be used for the activities also.
- ◆ **Directions** are written in a clear easy-to-understand format.
- ◆ **More science activity ideas** provides other ideas that you might like to try after doing the activity.
- ◆ **Activity Notes** is a place where you can write your predictions, general notes and any other thing you want to remember about the activity.

Magnetic Cereal

Activity 9

Introduction

Iron is an important element in peoples diets. Manufactures of cereals often add iron when making their products. In this activity you will be checking to see if various cereals include iron.



Materials

- ◆ Three samples of cereal one of which should be fortified with iron
- ◆ Plastic sandwich bags
- ◆ Large dowel or rolling pin
- ◆ Magnet (horseshoe, bar, or round)
- ◆ Paper plate
- ◆ Small bowl

Directions

1. Take about 28 g (1 ounce) of cereal and place it in the sandwich bag.

Table of Contents

Introduction ♦ 1

Activity 1
Earth Cookie ♦ 2



Activity 2
Spice Drop Crystals ♦ 4



Activity 3
Inside a Volcano ♦ 6

Activity 4
Recycling the Seafloor ♦ 9



Activity 5
Recycling in a Jug ♦ 12

Activity 6
Rock Cycle Mobile ♦ 14

Activity 7
Normal & Reverse Faults ♦ 16

Activity 8
The Atmosphere's Layers ♦ 18

Activity 9
Magnetic Cereal ♦ 20



Activity 10
Coarse Look at Sand ♦ 22

Activity 11
Water Bottle Barometer ♦ 24

Activity 12
Globe Toss ♦ 26

Activity 13
Pressing Layers ♦ 28

Activity 14
Animal, Mineral or Vegetable ♦ 30

Activity 15
Can You Hear That Wave ♦ 30

Books by Myrna Martin ♦ 35

