1st Grade Science

Table of Contents

Unit 1: Pumpkins and Introduction to the Garden
1. Introduction to pumpkins, "The Pumpkin Circle"
   Outside/In – Harvest time pumpkins
2. Introduction to the Garden – "The Tiny Seed"
   Outside/In – Worms
   Outside/In – Woodlands in a bag
   Outside/In – Insect in a box

Unit 2: Solids, Liquids, and Gases
1. Introduction to Solids, Liquids, and Gases
   a. Solids, Liquids, and Gases Student Sheet
   b. Solids, Liquids, and Gases Teacher Copy (make a class poster)
2) Gases
   a. Gas Observations Student Record Sheet
3) Mystery Liquids
   a. Mystery Liquids Student Record Sheet
4) Measuring Liquids – Using Graduated Cylinders and Droppers
   a. Measuring Liquids Student Record Sheet;
5) Mystery Solids
   a. Mystery Solids Student Record Sheet
6) Measuring Solids – Using Balances
   a. Measuring Solids Student Record Sheet
7) Sparkle Jars (each students needs a small glass jar from home)
   a. Solids, Liquids, and Gases Student Chart
   b. Solids, Liquids, and Gases Teacher Copy
8) Sink or Float?
   a. Sink or Float Student Record Sheet
9) Water Changes – Solid, Liquid, and Gas
   a. Water Changes Student Record Sheet

10) Water Container Design Challenge
    a. Water Container Design Student Record Sheet

Unit 3: Earth Science, Rocks and Fossils
1. Introduction to Rocks
2. What are Volcanoes?
3. How do plate tectonics work?
4. What are fossils? Let’s Dig!
   a. Fossil Information Sheets
5. Making Plant Fossils
6. Measuring Fossils
   a. Size Measurements Student Record Sheet
7. Making Edible fossils
   b. Edible Fossils Student Record Sheet

Unit 4: Air, Wind, and Sun
1. Moving Air = Wind
   a. Paper Spiral Template
2. Wind and Weather
3. Air and Wind – Wind Direction
4. Paper Airplanes – two classes (one to make airplanes, one to test airplanes)
   a. Paper Airplane Student Record Sheet
   b. How to make paper airplanes and tips for flying paper airplanes

Unit 5: Simple Machines
1. Introduction to 5 Simple Machines
2. Design your own Simple Machine
   a. Wind Power student handout
   b. Super-Crank student handout
c. Pinwheel student handout

3. Alexander Graham Bell and the Telephone

Unit 6: Habitats – The Rainforest

Outside/In – Layers of the Rainforest

2. How Adaptable are you? – animal adaptations
   a. Canopy critters student handout

3. Why are SWANS in the rain forest? – plant adaptations (epiphyte braches)
   a. Butterfly student handout
   b. Bromeliads student handout
   c. Tissue Paper Flower student handout
   d. Fern student handout

Outside/In – Planting Pumpkins

Materials List