

## **Science- Discovery Works- Houghton Mifflin (2000)**

### **Science Place-Scholastic (1993)**

Science is taught so the students can explore concrete examples of concepts taught. Skills that are taught are: observing, comparing, predicting, classifying, measuring, experimenting, and recording. Science is taught two times a week.

### **Matter**

#### A. Attributes

1. Describe the attributes of objects.
2. Classify the objects.
3. Use senses to describe the objects.

#### B. Properties

1. Classify objects by their properties.
2. Predict and test objects with the property of float or sink.

#### C. Space

1. Show how matter takes up space.
2. Measure matter with ruler and scales.

#### D. Forms of Matter

##### 1. Solids

- a. Describe the properties of solids.
- b. Define solids.
- c. Group solid objects on the basis of properties such as size, color, and texture.

##### 2. Liquids

- a. Describe the properties of liquids.
- b. Define liquids.

c. Group liquids on the basis of properties such as color and texture.

### 3. Solids and Liquids

a. Compare solids and liquids in containers.

### 4. Gases

a. Describe the properties of gases.

b. Observe pictured objects with gases.

### c. Bubbles

1. Predict what objects will make bubbles.

2. Test the objects.

3. Record the results.

4. Make a bubble maker.

5. Measure and compare bubble rings.

5. Combine forms of matter.
  - a. Observe what happens when two kinds of matter are put into same space.
  - b. Infer that solids, liquids, and gases occupy space.
6. Assessment on Matter

## **Rocks and Soil - Scholastic Science Place (1993)**

### **Rocks**

#### A. How to Dig to the Other Side of the World?

1. Read How to Dig a Hole to the Other Side of the World
2. Show video.

#### B. Where Do You Find Rocks and Soil?

1. Find and draw where rocks are found.

#### C. What Are Rocks Like?

1. Observe rock specimens.
2. Group rocks.

#### D. What's in a Rock?

1. Observe rock specimens.
2. Test the hardness of rock samples.

#### E. How do Rocks Form?

1. Name the different kinds of rocks.
2. Observe rock specimens.
3. Create a volcano.

#### F. How Do Rocks Form in Water?

1. Experiment to see how rocks form in water.
  2. Draw to record the experiment.

3. Read book The Magic School Bus Inside the Earth .

## Energy and Motion- Discovery Works- Houghton Mifflin- 2000

A. How does light move?

1. Observe how light travels.
2. Explore how a mirror changes the direction of light.

B. What things let light pass through?

1. Classify objects according to how well light can pass through them.
2. Predict how well objects will transmit light.
3. Record the observations.

C. How do you know when something moves?

1. Observe and identify objects in motion.
2. Describe ways to measure that are in motion.

D. What causes changes in motion?

1. Observe that forces can change the direction of motion of an object.
2. Identify some forces as pushes and pulls.

## Magnets-Discovery Works-Houghton Mifflin-2000

A. Investigating Magnetic Attraction

1. Classify objects that are magnetic.
2. Test and record the observations.

B. Investigating Magnetic Force

1. Infer that magnetic force can pass through certain materials.
2. Infer that magnets can make objects move without touching them.

C. Investigating Magnetic Strength

1. Compare strengths of magnets.

#### D. Investigating Magnetic Poles

1. Recognize that a magnet has two poles.
2. Observe how poles attract and repel.

#### E. Investigating Magnetic Fields

1. Describe the shapes of various magnetic field.

#### F. Investigating Temporary Magnets

1. Make temporary magnets.
2. Test the strength of the magnet.

### Simple Machines- Delta Science Module-1988

#### A. Doing Work

1. Measure force needed to move an object.
2. Record data.
3. Define *work*.

#### B. Levers

1. Construct a simple lever.
2. Test and record the results of using a simple lever.

#### C. Wheels

1. Read a book on wheels.
2. Use dowels to move objects.
3. Make wheel machine move.
4. Test what makes machines work easier.

#### D. Gears

1. Observe how gears work.
2. Predict ho a gear will move other gears.

3. Test and record the results.

#### E. Pulleys

1. Measure force and distance required to lift an object.
2. Construct a simple pulley.
3. Record and interpret data.

#### F. Inclined Planes

1. Describe how inclined planes make work easier.
2. Use inclined planes to make cars to go far.
3. Name different inclined planes and how they are used.

### Real Journeys in Technology White Level- Future Kids

#### Unit 1- Premiere Issue- Desktop Publishing

1. Computer Parts
2. Colored Keys
3. Clipart Library
4. Pop-up Cover
5. Zoom Game
6. Respect Pledge

Assessment-Pull=Me- Disk

#### Unit 2- Stop the Presses- Databases

1. Block Party
2. Loop-the-Loop
3. Snood Workout
4. Lights Out
5. Food Grouping
6. Growth Spurt

Assessment- Bunch! Stack! Loop! Plot!

Unit 3- Live from the Studio- Graphics

1. Fantasy Island
2. Fun with the Sun
3. Frosty Flakes
4. Cat Map
5. Drawing in the Sun
6. Pick a Program

Assessment- World Report

Unit 4- On the Air- Spreadsheets

1. Name That Cell
2. Bingo
3. Pet Talk
4. Look Who's Listening
5. Top of the Pops
6. Pick a Program

Assessment- Animals Everywhere

Unit 5- Now Presenting- Multimedia

1. Lights! Camera! Action!
2. Title Time
3. Set the Scene
4. Into the Woods and Under the Sea
5. Surprise!
6. Sneak Preview

Assessment- World Premiere

