

1st Grade Weather Unit

Benchmarks

Chapter 1: The Nature of Science

The Scientific World View

1A(K-2) #1: When a science investigation is done the way it was done before, we expect to get a very similar result.

Scientific Inquiry

1B(K-2)#1: People can often learn things around them by just observing those things carefully, but sometimes they can learn more by doing something to the things and noting what happens.

1B(K-2)#2: Tools such as thermometers, magnifiers, rulers, or balances often give more information about things than can be obtained by just observing things without their help.

1B(K-2)#3: Describing things as accurately as possible is important in science because it enables people to compare their observations with those of others.

Chapter 4: The Physical Setting

The Earth

4B(K-2)#1: Some events in nature have a repeating pattern. The weather changes some from day to day, but things such as temperature and rain (or snow) tend to be high, low, or medium in the same months every year.

4B(K-2)#3: Water left in an open container disappears, but water in a closed container does not disappear. (Only the first portion of the benchmark is addressed in the Weather unit.)

Processes That Shape the Earth

4C(K-2) #2: Change is something that happens to many things.

Structure of Matter

4D(K-2)#1: Objects are described in terms of the materials they are made of (clay, cloth, paper, etc.) and their physical properties (color, size, weight, texture, flexibility, etc.).

Energy Transformations

4E(K-2)#1: The sun warms the land, air and water.

Chapter 6: The Human Organism

Learning

6D(K-2)#1: People use their senses to find out about their surroundings and themselves. Different senses give different information. Sometimes a person can get different information about the same thing by moving closer to it or further away from it.

Chapter 11: Common Themes

Models

11B(K-2)#3: One way to describe things is to say how it is like something else.

Constancy and Change

11C(K-2)#1: Things change in some ways and stay the same in some ways.

Chapter 12: Habits of Mind

Computation and Estimation

12B(K-2)#1: Use whole numbers and simple, everyday fractions in ordering, counting, identifying, measuring, and describing things and experiences.