

ROBERTSON COUNTY SCHOOLS

MASTERY GUIDE, 2004

SECOND GRADE

FIRST NINE WEEKS

SCIENCE

Cell Structure and Function

- 2.1.1 Use magnifiers to study smaller parts of animals and identify their functions.
- 2.1.2 Use magnifiers to observe and describe what occurs when a plant or an animal loses a specific part.

Interactions Between Living Things and Their Environment

- 2.2.1 Categorize objects as living or non-living.
- 2.2.2 Determine how animals interact with the living and non-living elements in their environment through the senses.
- 2.2.3 Determine how organisms interact with the non-living elements of their environment.
- 2.2.4 Recognize different types of pollutants.

Food Production and Energy for Life

- 2.3.1 Compare how plants and animals satisfy their basic requirements for life.

Heredity and Reproduction

- 2.4.1 Recognize that all living things come from other living things.
- 2.4.2 Match offspring with their parents.
- 2.4.3 Recognize that as an organism grows, its appearance may change.

Diversity and Adaptation Among Living Things

- 2.5.1 Provide specific examples of differences among animals of the same kind.
- 2.5.2 Classify an organism according to the environment in which it can best survive.

Biological Change

- 2.6.1 Recognize that some plants and animals that formerly inhabited the earth are no longer present on earth.

SECOND NINE WEEKS

SCIENCE

Earth Features

- 2.9.1 Recognize the earth's major geological features (e.g., continents, oceans, lakes).

Earth Resources

- 2.10.1a. Recognize the components of soil and sand.
- 2.10.1b. Observe the properties of sand and soil.
- 2.10.2 Identify various methods to conserve earth resources (e.g., soil, trees, water).

THIRD NINE WEEKS

SCIENCE

Forces and Motion

- 2.11.1a. Recognize that objects fall unless supported.
- 2.11.1b. Identify materials that are attracted to magnets.
- 2.11.2 Observe how changing the amount of weight affects a balanced system.

Earth and Its Place in the Universe

- 2.7.1a. Recognize there are innumerable stars in the nighttime sky that vary in brightness, color, and location.
- 2.7.1b. Recognize that the sun is the brightest object in the sky and earth's closest star.
- 2.7.2a. Determine the approximate time of day, from the position of the sun in the sky.
- 2.7.2b. Recognize that the phases of the moon occur in a predictable pattern.

FOURTH NINE WEEKS

SCIENCE

Energy

- 2.14.1 Compare the heating and cooling rates of land, air, and water.

Structure and Properties of Matter

- 2.12.1a. Identify physical properties that can be used to describe a material.
- 2.12.1b. Describe ways in which a material can be changed.

Interactions of Matter

- 2.13.1a. Recognize that when substances combine they may retain their individual properties (e.g., salt and pepper).
- 2.13.1b. Recognize that when substances combine they may lose their individual properties (powdered drink mix with water).

***** Concepts related to Tennessee after TCAP