

Grade 1 - Aquarium of the Pacific Related State Content Standards

English-Language Arts

READING

1.0 Word Analysis, Fluency, and Systematic Vocabulary Development

Concepts About Print

1.1 Match oral words to printed words.

1.3 Identify letters, words and sentences.

Mathematics

ALGEBRA AND FUNCTIONS

1.0 Students use number sentences with operational symbols and expressions to solve problems:

1.3 Create problem situations that might lead to given number sentences involving addition and subtraction.

STATISTICS, DATA ANALYSIS AND PROBABILITY

1.0 Students organize, represent and compare data by category on simple graphs and charts:

1.1 Sort objects and data by common attributes and describe the categories.

Science

LIFE SCIENCES

2. Plants and animals meet their needs in different ways. As a basis for understanding this concept:

a. Students know different plants and animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places.

b. Students know both plants and animals need water, animals need food, and plants need light.

- c. Students know animals eat plants or other animals for food and may also use plants or even other animals for shelter and nesting.
- d. Students know how to infer what animals eat from the shapes of their teeth (e.g., sharp teeth: eats meat; flat teeth: eats plants).

EARTH SCIENCES

- 3. Weather can be observed, measured, and described. As a basis for understanding this concept:
 - c. Students know the sun warms the land, air and water.

INVESTIGATION AND EXPERIMENTATION

- 4. Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:
 - b. Record observations and data with pictures, numbers or written statements.
 - d. Describe the relative position of objects by using two references (e.g., above and next to, below and left of).
 - e. Make new observations when discrepancies exist between two descriptions of the same object or phenomenon.

Visual Arts

- 1.0 Artistic Perception
Processing, Analyzing, and Responding to Sensory Information Through the Language and Skills Unique to the Visual Arts

Students perceive and respond to works of art, objects in nature, events, and the environment. They also use the vocabulary of the visual arts to express their observations.

Develop Perceptual Skills and Visual Arts Vocabulary

- 1.1 Describe and replicate repeated patterns in nature, in the environment, and in works of art.

Analyze Art Elements and Principles of Design

- 1.3 Identify the elements of art in objects in nature, in the environment, and in works of art, emphasizing line, color, shape/form, and texture.