

Grade 1 - Natural History Museum 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. *(various exhibit halls)*

1.3 Identify letters, words and sentences. *(various exhibit halls)*

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. *(various exhibit halls)*

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. *(various exhibit halls)*

History-Social Science

1.2 Students compare and contrast the absolute and relative locations of places and people and describe the physical and/or human characteristics of places.

1. Locate on maps and globes their local community, California, the United States, the seven continents, and the four oceans. *(Hall of California History)*

2. Compare the information that can be derived from a three-dimensional model to the information that can be derived from a picture of the same location. *(Hall of California History)*

4. Describe how location, weather, and physical environment affect the way people live, including the effects on their food, clothing, shelter, transportation, and recreation. (*Hall of Native American Cultures, Ancient Latin America Hall, Hall of California History, Hall of American History*)
- 1.4 Students compare and contrast everyday life in different times and places around the world and recognize that some aspects of people, places, and things change over time while others stay the same.
1. Examine the structure of schools and communities in the past. (*Hall of Native American Cultures, Ancient Latin America Hall, Hall of California History*)
 2. Study transportation methods of earlier days. (*Hall of California History, Hall of American History*)
 3. Recognize similarities and differences of earlier generations in such areas as work (inside and outside the home), dress, manners, stories, games, and festivals, drawing from biographies, oral histories, and folklore. (*Hall of Native American Cultures, Ancient Latin America Hall, Hall of California History, Hall of American History*)

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. (*Insect Zoo, Discovery Center, African and North American habitat halls, Hall of Birds, Marine Hall, Cenozoic Hall*)
 - b. Students know both plants and animals need water, animals need food, and plants need light. (*Insect Zoo, Discovery Center, African and North American habitat halls, Hall of Birds, Marine Hall*)
 - c. Students know animals eat plants or other animals for food and may also use plants or even other animals for shelter and nesting. (*Insect Zoo, Discovery Center, African and North American habitat halls, Hall of Birds, Marine Hall, Dinosaurs Hall, Cenozoic Hall*)
 - 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). (*Insect Zoo, Discovery Center, African and North American habitat halls, Hall of Birds, Marine Hall, Dinosaurs Hall, Cenozoic Hall*)

- e. Students know roots are associated with the intake of water and soil nutrients and green leaves are associated with making food from sunlight. (*Hall of Birds, Chaparral exhibit*)

Visual Arts

3.0 Historical and Cultural Context

Understanding the Historical Contributions and Cultural Dimensions of the Visual Arts

Students analyze the role and development of the visual arts in past and present cultures throughout the world, noting human diversity as it relates to the visual arts and artists.

Role and Development of the Visual Arts

- 3.1 Recognize and discuss the design of everyday objects from various time periods and cultures. (*Hall of Native American Cultures, Ancient Latin America Hall, Hall of California History*)

Diversity of the Visual Arts

- 3.3 View and then describe art from various cultures. (*Hall of Native American Cultures, Gem and Mineral Hall, Ancient Latin America Hall*)
- 3.4 Identify art objects (e.g., Japanese screen painting, Mexican tin art, African masks) from various cultures and describe what they have in common and how they differ. (*Hall of Native American Cultures, Gem and Mineral Hall, Ancient Latin America Hall*)