

Las Lomas Elementary School District

Science Content Standards

For Multi-Grade K / 1 Classrooms

(Adopted May 2005)

Physical Sciences:

Wood and paper have structures that can be changed and can interact with other materials.

As a basis for understanding this concept:

- a. *Students know* properties of a variety of woods and papers.
- b. *Students know* how sawdust, wood shavings, and paper interact with water.
- c. *Students know* ways to recycle paper.
- d. *Students know* how to construct with wood and paper.

Life Sciences:

Animals have a physical structure, change over time, and interact with their environments.

As a basis for understanding this concept:

- a. *Students know* structures of a variety of common animals - fish, snails, earthworms, isopods, and chicks.
- b. *Students know* how animals interact with their surroundings.

Earth Sciences:

Water has specific properties that can be observed and measured.

As a basis for understanding this concept:

- a. *Students know* how to pour, mix, filter, and freeze water.
- b. *Students know* water can take different shapes.
- c. *Students know* scientific vocabulary such as sink, float, dissolve, and evaporate.
- d. *Students know* how water compares to other liquids.

Investigation and Experimentation:

Scientific progress is made by asking meaningful questions and by 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:

- a. Communicate observations, both orally and through illustrations, with descriptive language.
- b. Record observations and data with pictures, numbers, or written statements.
- c. Compare and contrast objects being observed.
- d. Revise predictions based on new information.