

# SCIENCE - Kindergarten

Christ Lutheran School, Costa Mesa, CA

Revised 2008

**Goal:** The student will develop an understanding and appreciation of God's creation and the skills of scientific investigation and observation through the study of a variety of science topics.

## Objectives:

### Physical Science

1. Properties of materials can be observed, measured, and predicted.

- Students know objects can be described in terms of the materials they are made of and their physical properties.
- Students know water can be a liquid or a solid and can be made to change back and forth from one form to the other.
- Students know water left in an open container evaporates, but water in a closed container does not.

**Materials:** Show & Tell, Houghton Mifflin Language Arts, Saxon Math, Art, Scott Foresman Social Studies, Kindergarten Playday, Foss Kit: *Animals Two by Two*.

### Life Science

1. Different types of plants and animals inhabit the earth.

- Students know how to observe and describe similarities and differences in the appearance and behavior of plants and animals.
- Students know stories sometimes give plants and animals attributes they do not really have.
- Students know how to identify major structures of common plants and animals.

**Materials:** Foss Kit: *Animals Two by Two*, Houghton Mifflin Language Arts, Earth Day projects (ladybugs).

## Earth Science

1. Earth is composed of land, air and water.

- Students know the characteristics of mountains, rivers, oceans, valleys, deserts, and local landforms.
- Students know that weather occurs from day to day and across seasons, affecting Earth and its inhabitants.
- Students know how to identify resources from Earth that are used in everyday life and understand that many resources can be conserved.

**Materials:** Scott Foresman Social Studies, daily calendar activities, Weekly Reader (Earth Day activities).

## Investigation and Experimentation

1. 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 standards, students should develop their own questions and perform investigations.

- Observe common objects by using the five senses.
- Describe the properties of common objects.
- Describe the relative position of objects by using one reference.
- Compare and sort common objects by one physical attribute.
- Communicate observations orally and through drawings.

**Materials:** Five senses unit, Scott Foresman Social Studies, Saxon Math, Science journals, Foss kit: *Animals Two by Two*.