

SCIENCE - Grade 1

Christ Lutheran School, Costa Mesa, CA

Revised 2008

Goal: The students will grow in their understanding of and appreciation for God's creation as they observe and investigate scientific principles.

Objectives:

Life Science

1. The student will be able to observe and understand the life cycle of plants.
 - The life cycle progression of plant life goes from seed to plant to flower to fruit/seed.
 - Some plants have different varieties.
 - There is a relationship between the seasons of the year and the life cycle of plants.
2. Animals adapt to seasonal climate change.
3. Some life forms undergo metamorphosis.

Materials: Teacher Developed Unit on Johnny Appleseed/Apples, Teacher Developed Unit on Pumpkins, Teacher Developed Unit on Arctic/Antarctic Life, Carolina Amazing Bugs Live Insect Science Kit

Earth Science

1. The student will be able to identify elements of weather.
 - Weather can be measured using simple tools such as a thermometer.
 - The sun warms the land, air, and water.
 - Weather determines the selection of the clothing we wear.
 - Fabrics affect heat retention and absorption of water.
 - Clouds have different names and characteristics.
2. Air is matter.
 - Air takes up space.
 - Air can be compressed into a smaller space.

- The force of air pressure causes movement.

Materials: Beckman @ Science Kit: *Weather*, Beckman @ Science Kit: *Air and Weather*

Investigation and Experimentation

1. Draw pictures that portray features.
2. Record data with pictures, numbers, and/or words.
3. Record observations and data on a bar graph.
4. Introduce a science notebook for recording data.