

**Course Title:** Kindergarten Science **Board Approval Date:** June, 2010

**Course Description:**

The Kindergarten Science curriculum introduces students to the scientific method through units that consist of hands on experiments and observations while engaging the students in a rich inquiry based environment. The curriculum is based on the Pennsylvania Academic Standards for Science. The main units of study include weather, the five senses, animals, plants and simple machines. Throughout the year, students will have the opportunity to chart and graph daily weather as well as learn how weather can affect people, animals and our environment. In addition they will discover how their five senses help them to learn about the world around them and the important role the brain plays in using their senses. The students will also learn about the basic needs of all living things as they explore plants and animals. Finally students will explore forces and motion as they discover the role of simple machines in their everyday lives.

**Learning Activities / Modes of Assessment:**

Large group instruction	
Learning Centers	Teacher Observation/Checklists
Small group work	Use of Manipulatives
Computer programs	Children's Literature
Science Kit Modules	

**Instructional Resources:**

Penn State Science Curriculum: The Five Senses  
Foss Kit: Animals 2 by 2  
Insights: Balls and Ramps  
Appropriate Internet Resources  
Non-fiction reading materials – LASD Approved Reading List

# Course Pacing Guide

Course: Kindergarten Science

Course Unit (Topic)	Length of Instruction
1. Weather	30 Days
2. Five Senses	30 Days
3. Animals	30 Days
4. Plants	30 Days
5. Simple Machines	30 Days