

**RIDGECROFT SCHOOL  
GRADE 1 SCIENCE**

**PACING GUIDE**

TOPICS/CONCEPTS	TIME	CURRICULUM OBJECTIVES	RESOURCE(S)
<b>FIRST GRADING PERIOD</b>			
WEATHER CONCEPTS	30	1.01, 1.02, 1.03, 1.04, 1.05	STC Kit: Weather TEXTBOOK: Chapter 9 Water, Air, Weather
<b>SECOND GRADING PERIOD</b>			
CHANGES IN WEATHER	30	2.01, 2.02, 2.03, 2.04, 2.05, 2.06	STC Kit: Weather
<b>THIRD GRADING PERIOD</b>			
CHANGES IN WEATHER	30	2.01, 2.02, 2.03, 2.04, 2.05, 2.06	STC Kit: Weather
<b>FOURTH GRADING PERIOD</b>			
PROPERTIES AND RELATIONSHIP OF OBJECTS	30	3.01, 3.02, 3.03, 3.04	AIMS Module: Under Construction TEXTBOOK: Chapter 7 Push and Pull STC Kit: Solids and Liquids (Purchase 2 <sup>nd</sup> year)
<b>FIFTH GRADING PERIOD</b>			
PROPERTIES AND RELATIONSHIP OF OBJECTS	30	3.01, 3.02, 3.03, 3.04	AIMS Module: Under Construction TEXTBOOK: Chapter 7 Push and Pull STC Kit: Solids and Liquids (Purchase 2 <sup>nd</sup> year)
<b>SIXTH GRADING PERIOD</b>			
BALANCE, MOTION, AND WEIGHING OF OBJECTS.	30	4.01, 4.02, 4.03, 4.04, 4.05	STC Kit: Solids and Liquids (Purchase 2 <sup>nd</sup> year)

8/1/06

**GOALS AND OBJECTIVES**

**NOTE: The goals and objectives for Grades K-5 science are based on a recluster of the NC Standard Course of Study.**

<p><b>GOAL 1: The learner will make observations and build understanding of weather concepts</b>            1.01 Observe and report daily weather changes throughout the year.            1.02 Identify different weather features including: (precipitation, wind, temperature, cloud cover)            1.03 Identify types of precipitation, changes in wind, force, direction and sky conditions.            1.04 Observe and determine the effects of weather on human activities.            1.05 Use common tools to measure weather.</p>	<p><b>GOAL: The learner will conduct investigations and use appropriate tools to build understanding of changes in weather</b>            2.01 Investigate and describe how moving air interacts with objects.            2.02 Observe the force of air pressure pushing on objects.            2.03 Describe weather using quantitative measures of: (temperature, wind direction, wind speed, precipitation)            2.04 Identify and use common tools to measure weather: (wind vane and anemometer, thermometer, rain gauge)            2.05 Discuss and determine how energy from the sun warms the land, air and water.            2.06 Observe and record weather changes over time and relate to time of day and time of year.</p>	<p><b>GOAL: The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects.</b>            3.01 Describe the differences in the properties of solids and liquids.            3.02 Investigate several ways in which objects can be described, sorted or classified.            3.03 Classify solids according to their properties: (color, texture, shape (ability to roll or stack), ability to float or sink in water)            3.04 Determine the properties of liquids: (color, ability to float or sink in water, tendency to flow)            3.05 Observe mixtures including: (solids with solids, solids with liquids)</p>	<p><b>GOAL: The learner will make observations and conduct investigations to build understanding of balance, motion, and weighing of objects.</b>            4.01 Describe different ways in which objects can be moved.            4.02 Observe that movement of an object can be affected by pushing or pulling.            4.03 Investigate and observe that objects can move steadily or change direction.            4.04 Observe and describe balance as a function of position and weight.            4.05 Describe and observe systems that are unstable and modify them to reach equilibrium.</p>
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(3/2005)