

Science 1 - Pacing Guide

Dates	Topics	Objectives
August 21 – 23	Rules and Procedures	
First Trimester	Inquiry: Matter and Senses	<p><i>EX.1.P.2 Understand physical properties of objects.</i></p> <p>EX 1 P 2 1 Classify objects by observable properties (size, shape, color, and texture).</p> <p>EX 1 P 2 2 Classify objects by the Material they are made from (e g , clay, wood, cloth, paper).</p> <p>EX 1 P 3 1 Recognize objects as same serving the same function even when one property has changed (e g , size, color).</p>
First Trimester	Force and Motion	<p><i>1.P.1 Understand how forces (pushes or pulls) affect the motion of an object.</i></p> <p>1 P 1 1 Explain the importance of a push or pull to changing the motion of an object.</p> <p>1 P 1 2 Explain how some forces (pushes and pulls) can be used to make things move without touching them, such as magnets.</p> <p>1 P 1 3 Predict the effect of a given force on the motion of an object, including balanced forces.</p>

<p>Second Trimester</p>	<p>Earth Systems, Structures and Processes</p>	<p>1.L.2 Summarize the needs of living organisms for energy and growth.</p> <p>1 L 2 1 Summarize the basic needs of a variety of different plants (including air, water, nutrients, and light) for energy and growth.</p> <p>1 L 2 2 Summarize the basic needs of a variety of different animals (including air, water, and food) for energy and growth.</p>
<p>November 25 - 29</p>	<p>Thanksgiving Break</p>	
<p>Second Trimester</p>	<p>Earth Systems, Structures, and Processes</p>	<p>1.E.2 Understand the physical properties of Earth materials that make them useful in different ways.</p> <p>1 E 2 1 Summarize the physical properties of Earth materials, including rocks, minerals, soils and water that make them useful in different ways.</p> <p>1 E 2 2 Compare the properties of soil samples from different places relating their capacity to retain water, nourish and support the growth of certain plants.</p>
<p>December 23- January 3</p>	<p>Christmas Break</p>	

<p>Second Trimester</p>	<p>Ecosystems</p>	<p><i>1.L.1 Understand characteristics of various environments and behaviors of humans that enable plants and animals to survive.</i></p> <p>1 L 1 1 Recognize that plants and animals need air, water, light (plants only), space, food and shelter and that these may be found in their environment.</p> <p>1 L 1 2 Give examples of how the needs of different plants and animals can be met by their environments in North Carolina or different places throughout the world.</p> <p>1 L 1 3 Summarize ways that humans protect their environment and/or improve conditions for the growth of the plants and animals that live there (e g , reuse or recycle products to avoid littering)</p>
<p>Third Trimester</p>	<p>Weather and Seasons</p>	<p>1 E 1 1 Recognize differences in the features of the day and night sky and apparent movement of objects across the sky as observed from Earth.</p>
<p>April 10 - 17</p>	<p>Easter Break</p>	

<p style="text-align: center;">Third Trimester</p>	<p style="text-align: center;">Earth in the Universe</p>	<p><i>1.E.1 Recognize the features and patterns of the earth/moon/sun system as observed from Earth.</i></p> <p>1 E 1 1 Recognize differences in the features of the day and night sky and apparent movement of objects across the sky as observed from Earth.</p> <p>1 E 1 2 Recognize patterns of observable changes in the Moon's appearance from day to day.</p>
<p style="text-align: center;">June 1 - 5</p>	<p style="text-align: center;">End-of-Year Review</p>	<p style="text-align: center;">All Concepts</p>