

Kindergarten

Introduction to Content Statements

Grade Band Theme: Observations of the Environment

This theme focuses on helping students develop the skills for systematic discovery to understand the science of the physical world around them in greater depth by using scientific inquiry.

Science Inquiry and Application

*During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate **laboratory safety techniques**, to construct their knowledge and understanding in all science content areas:*

- *Observe and ask questions about the natural environment;*
- *Plan and conduct **simple investigations**;*
- *Employ simple equipment and tools to gather data and extend the senses;*
- *Use appropriate mathematics with data to construct reasonable explanations;*
- *Communicate about observations, investigations and explanations; and*
- *Review and ask questions about the observations and explanations of others.*

Strands

Strand Connections: *Living and nonliving things have specific physical properties that can be used to sort and classify. The physical properties of air and water are presented as they apply to weather.*

Earth and Space Science (ESS)	Physical Science (PS)	Life Science (LS)
<p>Topic: Daily and Seasonal Changes <i>This topic focuses on observing, exploring, describing and comparing weather changes, patterns in the sky and changing seasons.</i></p>	<p>Topic: Properties of Everyday Objects and Materials <i>This topic focuses on the production of sound and on observing, exploring, describing and comparing the properties of objects and materials with which the student is familiar.</i></p>	<p>Topic: Physical and Behavioral Traits of Living Things <i>This topic focuses on observing, exploring, describing and comparing living things in Ohio.</i></p>
Condensed Content Statements		
<ul style="list-style-type: none"> • Weather changes are long-term and short-term. • The moon, sun and stars are visible at different times of the day or night. 	<ul style="list-style-type: none"> • Objects and materials can be sorted and described by their properties. • Some objects and materials can be made to vibrate to produce sound. 	<ul style="list-style-type: none"> • Living things are different from nonliving things. • Living things have physical traits and behaviors, which influence their survival.