

Kindergarten Science Curriculum

Grade Level Goal

In Kindergarten, students will use their senses and problem solving skills to explore various topics in science. Their curiosity and excitement about the world will be developed through active participation and exploration.

Unit	Science Processes
Big Idea	<p>Scientific inquiry and reasoning involve observing, questioning, investigating, and recording to solve problems.</p> <p>The five senses are used to explore the natural world.</p>
Essential Questions	<ul style="list-style-type: none"> • How does science help us answer questions about the world around us? • What does it mean to question? • Why do scientists conduct investigations?
Skills/Concepts	<ul style="list-style-type: none"> ✓ Identify and name the body part associated with the senses ✓ Tell which stimulus is associated with which sense organ
GLCE	<p>G.GS.00.01; S.IP.00.11; M.PS.00.05; M.UN.00.04; S.IP.00.04; S.IP.00.15; S.IP.00.11; S.IP.00.12; S.IP.00.13; S.IP.00.16; S.RS.00.11; S.IA.00.12; S.IA.00.13; S.IA.00.14; S.IP.00.11</p>
Catholic Social Teaching	Dignity of the Human Person

Unit	Physical Science
Big Idea	<p>Force and motion affect the position of objects. Force is a push or pull on an object.</p>
Essential Questions	<ul style="list-style-type: none"> • What happens when you drop an object? • What affects the movement of an object? • What is a force?
Skills/Concepts	<ul style="list-style-type: none"> ✓ Use terms and synonyms to expand student vocabulary. ✓ The motion of objects can be changed by forces.

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GLCE	P.FM.00.11; P.FM.00.12; P.FM.00.21; P.FM.00.31; P.FM.00.32; P.FM.00.33; P.FM.00.34
Catholic Social Teaching	

Unit	Life Science
Big Idea	Living things and nonliving things
Essential Questions	<ul style="list-style-type: none"> • How do we know if something is alive? • What do living things need? • What materials from the earth does a plant need to grow?
Skills/Concepts	<ul style="list-style-type: none"> ✓ Compare living and nonliving things ✓ Identify basic requirements for life
GLCE	L.OL.00.12; L.OL.00.11; E.SE.00.11
Catholic Social Teaching	An Option for the Poor and Vulnerable Rights and Responsibilities We are Called to Stewardship

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