

Physical Properties of Matter

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	<input type="checkbox"/> I can connect what I learn to my faith.*				
	<input type="checkbox"/> I can apply what I learn in my daily life.*				

Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. 4.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. 4.2B				

Content		Notes	Check Up		
Properties of Matter	<input type="checkbox"/> I can measure physical properties of matter. 4.3A <input type="checkbox"/> mass <input type="checkbox"/> volume				
	<input type="checkbox"/> I can describe what is the same and what is different about physical properties of matter. 4.3A <input type="checkbox"/> mass <input type="checkbox"/> volume <input type="checkbox"/> states (solid, liquid, and gas) <input type="checkbox"/> temperature <input type="checkbox"/> magnetism <input type="checkbox"/> ability to sink or float				
	<input type="checkbox"/> I can describe what is the same and what is different between a variety of mixtures, including solutions. 4.3A.1				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Observing and Measuring	<input type="checkbox"/> I can collect and record information by observing and measuring. 4.2C				
Interpreting Information	<input type="checkbox"/> I can analyze and interpret information from an investigation and give a reasonable explanation based on the evidence. 4.2D				
Constructing Models	<input type="checkbox"/> I can represent the natural world using models. 4.2E				

Force, Motion, and Energy

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. 4.2A				
Using Scientific Tools	<input type="checkbox"/> I can collect information using scientific tools. 4.2B				

Content		Notes	Check Up		
Forms of Energy	<input type="checkbox"/> I can describe the difference between forms of energy. 4.4A <input type="checkbox"/> mechanical <input type="checkbox"/> sound <input type="checkbox"/> electrical <input type="checkbox"/> light <input type="checkbox"/> thermal				
Electrical and Thermal Energy	<input type="checkbox"/> I can demonstrate and describe that electricity travels in a closed path, creating an electrical circuit. 4.4B				
	<input type="checkbox"/> I can describe the difference between conductors and insulators of thermal and electrical energy. 4.4B.1				
Force	<input type="checkbox"/> I can plan a descriptive investigation to explore the effect of force on an object. 4.4C <input type="checkbox"/> push or pull <input type="checkbox"/> gravity <input type="checkbox"/> friction <input type="checkbox"/> magnetism				

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Natural Resources and Changes to Earth's Surface

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	<input type="checkbox"/> I can plan and carry out an investigation. 4.2A				
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Content		Notes	Check Up		
Properties of Soil	<input type="checkbox"/> I can describe properties of soils. 4.5A <input type="checkbox"/> color <input type="checkbox"/> texture <input type="checkbox"/> capacity to hold water <input type="checkbox"/> ability to support the growth of plants				
Changes to Earth's Surface	<input type="checkbox"/> I can describe slow changes to Earth's surface. 4.5B <input type="checkbox"/> weathering <input type="checkbox"/> erosion <input type="checkbox"/> deposition from water, wind, and ice				

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Constructing Models	<input type="checkbox"/> I can represent the natural world using models. 4.2E				

Earth's Cycles and Patterns

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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Content		Notes	Check Up		
Weather	<input type="checkbox"/> I can measure, record, and predict changes in weather. 4.5C				
	<input type="checkbox"/> I can record and analyze data to identify sequences and predict patterns of change over time. 4.5C.2 <ul style="list-style-type: none"> <input type="checkbox"/> shadows <input type="checkbox"/> seasons <input type="checkbox"/> the observable appearance of the Moon 				

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Interactions of Organisms in Ecosystems

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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Content		Notes	Check Up		
Food Webs	<input type="checkbox"/> I can describe the flow of energy through food webs, beginning with the Sun. 4.6A				
	<input type="checkbox"/> I can predict how changes in the ecosystem affect the food web. 4.6A				
	<input type="checkbox"/> I can describe how most producers need sunlight, water, and carbon dioxide to make their own food. 4.6A.1				
	<input type="checkbox"/> I can describe how consumers depend on other organisms for food. 4.6A.1				

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Adaptations and Behaviors

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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Adaptations	<input type="checkbox"/> I can describe how structures and their functions enable organisms to survive in their environment. 4.6B				
Inherited Traits and Learned Behaviors	<input type="checkbox"/> I can describe examples of traits that are inherited from parents to offspring. 4.6C <input type="checkbox"/> eye color <input type="checkbox"/> shapes of leaves				
	<input type="checkbox"/> I can describe examples of behaviors that are learned. 4.6C <input type="checkbox"/> reading a book <input type="checkbox"/> a wolf pack teaching their pups to hunt				
Life Cycles	<input type="checkbox"/> I can draw and compare life cycles in living organisms. 4.6D <input type="checkbox"/> beetles <input type="checkbox"/> crickets <input type="checkbox"/> radishes <input type="checkbox"/> lima beans				

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