

Physical Properties of Matter

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	I can connect what I learn to my faith.*				
	I can apply what I learn in my daily life.*				

Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	I can plan and carry out an investigation. 5.2A				
Using Scientific Tools	I can collect information using scientific tools. 5.2B				

Content		Notes	Check Up		
Properties of Matter	I can classify matter based on measurable, testable, and observable physical properties. 5.3A <ul style="list-style-type: none"> <input type="checkbox"/> mass <input type="checkbox"/> magnetism <input type="checkbox"/> physical state (solid, liquid, and gas) <input type="checkbox"/> relative density (sinking and floating using water as a reference point) <input type="checkbox"/> solubility in water <input type="checkbox"/> the ability to conduct or insulate thermal energy or electric energy 				
	I can demonstrate that some mixtures keep the physical properties of their ingredients. 5.3A.1				
	I can identify changes that can occur in the physical properties of the ingredients of solutions. 5.3A.2				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Observing and Measuring	I can collect and record information by observing and measuring. 5.2C				
Interpreting Information	I can analyze and interpret information from an investigation and give a reasonable explanation based on the evidence. 5.2D				
Constructing Models	I can represent the natural world using models. 5.2E				

Force, Motion, and Energy

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	I can connect what I learn to my faith.*				
	I can apply what I learn in my daily life.*				

Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	I can plan and carry out an investigation. 5.2A				
Using Scientific Tools	I can collect information using scientific tools. 5.2B				

Content		Notes	Check Up		
Uses of Energy	I understand the uses of different kinds of energy. 5.4A <input type="checkbox"/> mechanical <input type="checkbox"/> light <input type="checkbox"/> thermal <input type="checkbox"/> electrical <input type="checkbox"/> sound				
Electricity	I can demonstrate how the flow of electricity in closed circuits can produce light, heat, or sound. 5.4B				
Light	I can demonstrate how light travels in a straight line until it strikes an object and is reflected. 5.4C				
	I can demonstrate how light travels through one medium to another and is refracted. 5.4C				
Force	I can design an investigation that tests the effect of force on an object. 5.4D				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Observing and Measuring	I can collect and record information by observing and measuring. 5.2C				
Interpreting Information	I can analyze and interpret information from an investigation and give a reasonable explanation based on the evidence. 5.2D				
Constructing Models	I can represent the natural world using models. 5.2E				

Natural Resources and Changes to Earth's Surface

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	I can connect what I learn to my faith.*				
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Learning Process Standards (Tools to Know)		Notes	Check Up		
Planning/ Performing Investigations	I can plan and carry out an investigation. 5.2A				
Using Scientific Tools	I can collect information using scientific tools. 5.2B				

Content		Notes	Check Up		
Resources and Landforms	I can explain the processes that led to the formation of fossil fuels. 5.5A				
	I can recognize that wind, water, and ice can change Earth's surface by making landforms, such as: 5.5A.1 <input type="checkbox"/> deltas <input type="checkbox"/> canyons <input type="checkbox"/> sand dunes				
	I can identify and classify Earth's renewable resources. 5.5A.2 <input type="checkbox"/> air <input type="checkbox"/> plants <input type="checkbox"/> water <input type="checkbox"/> animals				
	I can identify and classify Earth's nonrenewable resources. 5.5A.2 <input type="checkbox"/> coal <input type="checkbox"/> oil <input type="checkbox"/> natural gas				
	I can explain the importance of conservation. 5.5A.2				
	I can describe how I can care for others and God's earth by not wasting or overusing resources. 5.5A.3				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Observing and Measuring	I can collect and record information by observing and measuring. 5.2C				
Interpreting Information	I can analyze and interpret information from an investigation and give a reasonable explanation based on the evidence. 5.2D				
Constructing Models	I can represent the natural world using models. 5.2E				

Student Learning Report – Grade 5 Science

Name _____

Weather

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Using Scientific Tools	I can collect information using scientific tools. 5.2B				

Content		Notes	Check Up		
Weather	I can measure, record, and predict changes in weather. 5.5B				
	I can differentiate between weather and climate. 5.5B.1				
Water Cycle	I can explain how the Sun and the ocean interact in the water cycle. 5.5C				
	I can describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. 5.5C.1				
	I can explain the role of the Sun as a major source of energy in the water cycle. 5.5C.1				

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Student Learning Report – Grade 5 Science

Name _____

Space

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Using Scientific Tools	I can collect information using scientific tools. 5.2B				

Content		Notes	Check Up		
Earth's Movement	I can demonstrate how the Earth rotates on its axis once approximately every 24 hours causing the day/night cycle and the apparent movement of the Sun across the sky. 5.5D				
	I can describe the contributions Catholics have made to science.* 5.5D.1 <input type="checkbox"/> Galileo <input type="checkbox"/> Copernicus				
Sun, Earth, and Moon	I can identify and compare the physical characteristics of the Sun, Earth, and Moon. 5.5E				

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Organisms and Environments

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Content		Notes	Check Up		
Interactions in Ecosystems	I can explain how organisms live and survive in their ecosystem by interacting with the living and nonliving components. 5.6A				
	I can predict the effects of changes in ecosystems caused by living organisms, including humans. 5.6A.1 <input type="checkbox"/> overpopulation of grazers <input type="checkbox"/> building of highways				
	I can identify fossils as evidence of past living organisms and the nature of the environments at the time using models. 5.6A.2				
Food Webs	I can observe and describe the flow of energy within a food web. 5.6B <input type="checkbox"/> role of the Sun <input type="checkbox"/> role of producers <input type="checkbox"/> role of consumers <input type="checkbox"/> role of decomposers				

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Adaptations and Behaviors

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Learning Process Standards (Tools to Know)		Notes	Check Up		
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Content		Notes	Check Up		
Adaptations	I can compare the structures and functions of different species that help them live and survive in a specific environment. 5.6C <input type="checkbox"/> hooves on prairie animals <input type="checkbox"/> webbed feet in aquatic animals				
	I can describe the contributions Catholics have made to science.* 5.6C.1 <input type="checkbox"/> Mendel				
Inherited Traits and Learned Behaviors	I can differentiate between inherited traits of plants and animals (spines on a cactus or shape of a beak) and learned behaviors (an animal learning tricks or a child riding a bicycle). 5.6D				

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