

**SAINT JOSEPH ELEMENTARY SCHOOL**

Month	Content	CONTENT			CATHOLIC IDENTITY Essential Questions	SCIENCE STANDARDS				
		Essential Questions	Books & Materials			Earth and Space Science	Life Science	Physical Sciences	Technology/Engineering	
<b>SEPTEMBER</b>										
Earth and Space Science	<p>Earth's Place in the Universe:  Sun, Moon, stars, in relationship with the Earth and the rest of the solar system.</p> <p><b>STREAM: Engineering a Story</b></p> <p><b>EIE Kit: A Long Way Down</b></p>	<p>How has the study of stars expanded our knowledge of the universe?</p> <p>How does the motion of objects in space create cycles?</p>	<p>Pearson Interactive Science and leveled readers, related non-fiction books - Seymour Simon books, Eyewitness books,iPads, selected apps and websites, etc</p>	<p>Think about God being infinite and still caring about us in the universe. How does this make you feel?</p>	<p>Earth's Place in the Universe 5-ESS1-1 5-ESS1-2</p>					
<b>OCTOBER</b>										
Earth and Space Science	<p>Earth's Systems</p> <p>Water on Earth - oceans, fresh water, water cycle, clouds</p> <p>Earth and Human Activity- reduce human impact on Earth's resources</p> <p><b>STREAM- EIE kit- Taking the Plunge: Designing Submersibles</b></p> <p><b>EIE Kit Water, Water Everywhere- building water filtration systems</b></p>	<p>How does water move through the environment?</p> <p>What are ways communities can reduce human impact on the Earth's resources and environment by changing an agricultural, industrial, or community practice or process?</p>	<p>Pearson Interactive Science, leveled readers, and related non-fiction books - Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc</p>	<p>Water can have great power and can produce many amazing storms causing great devastation. Connect this to a bible sotry where water caused great devastation.</p>	<p>5-ESS2-1 5-ESS2-2 5-ESS3-1</p>				5.3-5-ETS3-1; 5.3-5-ETS3-2	
<b>NOVEMBER</b>										
Life Sciences	<p>From molecules to Organisms: Structures and Processes</p> <p>Process by which plants use air, water, and energy from sunlight to produce sugars and plant materials needed for growth and reproduction</p>	<p>How do plants and animals grow and change?</p>	<p>Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc</p>	<p>Why do you think God cretaed so many different types of organisms?</p>					5-LS1-1	
<b>DECEMBER</b>										
Life Science and Physical Science	<p>Ecosystems: Interactions, Energy, and Dynamics</p>	<p>How do organisms interact?</p> <p>How does energy move in ecosystems?</p>	<p>Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites.etc</p>	<p>How often do you stop to look at the wonder of nature? There are so many different,beautiful areas on Earth. Choose something amazing from each of the Biomes that demonstrates God's beauty.</p>					5-LS2-1 5-LS2-2 (MA)	5-PS3-1

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<b>JANUARY</b>								
Physical Science	Matter and its Interactions	What makes up everything around us?  What are the properties of matter and how does matter change?	Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc				5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4	
<b>FEBRUARY</b>								
Physical Science	Matter and its Interactions	What makes up everything around us?  What are the properties of matter and how does matter change?	Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc				5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4	
<b>March</b>								
Physical Science	Motion and Stability: Forces and Interactions  Gravitational force exerted by Earth	How are forces and motion part of your everyday life?  What affects the motion of objects?	Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc				5-PS2-1	5.3-5-ETS3-1; 5.3-5-ETS3-2
<b>APRIL</b>								
Physical Science	Motion and Stability: Forces and Interactions  Gravitational force exerted by Earth	How are forces and motion part of your everyday life?  What affects the motion of objects?	Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc				5-PS2-1	
<b>MAY</b>								
Physical Science	Technological Systems- Use informational text to provide examples of improvements to existing innovations and the development of new technologies.  <b>STREAM- Rube Goldberg project</b>	How can I solve a problem I have? How can I improve the things I use everyday?	Pearson Interactive Science, leveled readers, and related non-fiction books -Seymour Simon books, Eyewitness books,iPads, selected apps and websites,etc	How can using technological advances lead to moral dilemmas?				5.3-5-ETS3-1; 5.3-5-ETS3-2
<b>JUNE</b>								
	Technology carried over and review of all topics			How can you use technology to better lives?				Topic : Engineering Design 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4 (3-5)