

**SAINT JOSEPH ELEMENTARY SCHOOL**

<b>CONTENT</b>				<b>CATHOLIC IDENTITY</b>	<b>SCIENCE STANDARDS</b>
<i>Month &amp; Overarching Question</i>	<i>Content</i>	<i>Essential Questions</i>	<i>Books &amp; Materials</i>	<i>Essential Questions</i>	
<b>SEPTEMBER</b>					
	Engineering a Story	What are the steps in the engineering and design process? How can we apply the engineering and design process to literature?	Children's literature Interactive Science textbook	What the are the moral lessons that characters learn in the stories that we read?	3-5-ETS
<b>OCTOBER</b>					
	Climate and Weather	How do we display data to represent typical weather conditions during a particular season? How can we obtain and combine information to represent climates in different regions of the world? What solutions can we design to mitigate a weather-related hazard?	Interactive Science textbook	How can solving problems caused by weather help us to share God's love?	3-ESS-2 3-ESS-3
<b>NOVEMBER</b>					
	Catching the Wind	What problems can we identify to solve in everyday life? What possible solutions can we create to address problems in everyday life?	Engineering is Elementary: Catching the Wind	What problems would God like us to solve in the world?	3-5-ETS
<b>DECEMBER</b>					
	Catching the Wind	How can we test out design solutions using a prototype? How can we improve our original design solutions? Why do certain design solutions work better than others?	Engineering is Elementary: Catching the Wind	How can we use our gifts and talents from God to create design solutions?	3-5 ETS
<b>JANUARY</b>					
	Life Cycles	What life cycle patterns do all organisms share? How do organisms' life cycles vary?	Interactive Science textbook	What patterns did God create in all living beings?	3-LS1
<b>FEBRUARY</b>					
	Ecosystem Interactions	How do animals form groups to help members to survive?	Interactive Science textbook	How do we work together to make the most of the life God gives us?	3-LS2 3-LS3
<b>MARCH</b>					
	Heredity	What traits help plants and animals to survive? What evidence shows that traits can be influenced by the environment?	Interactive Science textbook	What unique traits did God give us?	3-LS3
<b>APRIL</b>					
	Forces and Interactions	What are the effects of balanced and unbalanced forces on the motion of an object? What are the electric and magnetic interactions between two objects not in contact with each other?	Engineering is Elementary: Attraction is Obvious	What relationships does God create on Earth that we cannot see?	3-5-ETS 3-PS2

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Month & Overarching Question	Content	Essential Questions	Books & Materials	Essential Questions	
<b>MAY</b>					
	Forces and Interactions	How can we determine the effects of balanced and unbalanced forces on the motion of an object? How can we solve problems by applying scientific ideas about magnets?	Engineering is Elementary: Attraction is Obvious	What problems would God like us to solve in the world?	3-5-ETS 3-PS2
<b>JUNE</b>					
	Unity and Diversity	What do fossils tell us about organisms and the environments lived in long ago? Why do certain organisms survive better in a given habitat? How can we design a solution to a problem for organisms caused by an environmental change?	Interactive Science textbook	How does the world God gave us change over time?	3-LS-4