

**Pacing Guide (Sept. 2017 – June 2018 )**

**Grade: 5**

**Subject: Science**

Pacing (Month)	Essential Standards	Unit Topic(s) and Essential Questions	Student Target Outcomes and Goals <i>SWBAT</i>	Focus Topics/Skills	Assessment	Resources	Catholic Identity
<b>September/ October 3-5 days a week</b>	5-PS1-1 5-PS1-2 5-PS1=3 5-PS1-4	Properties of Matter  1. What changes happened to properties of matter?  2. What makes up matter?  3. How can matter be described?  4. How does matter change?	Students will be able to:  1. identify solids, liquids and gas  2. measure properties of matter  3. observe and compare chemical and physical changes	<ul style="list-style-type: none"> <li>● vocabulary</li> <li>● identifying types of matter</li> <li>● classifying matter</li> </ul>	<ul style="list-style-type: none"> <li>★ exit tickets</li> <li>★ projects</li> <li>★ diagrams</li> <li>★ quiz</li> <li>★ unit test</li> </ul>	Interactive Science Text pg:1-51  Science Fusion Text pg:577-628  YouTube BrainPop Books Videos ESP kits	God created everything, and everything is made of matter.  Refer to Genesis- story of creation: God created the Heavens and Earth
<b>November/ December 3-5 days a week</b>	5-PS2-1	Forces and Motion  1. What happens when issues collide?  2.What is going to help my life or someone else's?	Students will be able to:  1. apply Newton's Laws to motion  2. determine what affects the motion of objects  3. learn about gravitational	<ul style="list-style-type: none"> <li>● vocabulary</li> <li>● Newton's Laws</li> <li>● how forces are combined</li> <li>● how shadows are formed</li> <li>● what is force</li> </ul>	<ul style="list-style-type: none"> <li>★ exit tickets</li> <li>★ projects</li> <li>★ diagrams</li> <li>★ quiz</li> <li>★ unit test</li> </ul>	Interactive Science Text pg:53-98  Science Fusion Text pg: 697-740  YouTube BrainPop	Identifies God's creation as consisting of visible & invisible. Nicene Creed  God creates energy.

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			force			Books Videos ESP kits	Refer to St. Maximilliam Kolbe’s story
<b>January/ February/ March 3-5 days a week</b>	5-PS3-1 5-LS1-1 5-ESS3-1	Growth and Survival  1.How does God speak to us today?  2.How does God enhance our lives?	Students will be able to: 1. differentiate between complete and incomplete metamorphosis 2. identify adaptations that help animals survive	<ul style="list-style-type: none"> <li>● vocabulary</li> <li>● physical structures in living things</li> <li>● parts of plant &amp; animal cells</li> <li>● classification (kingdom, phylum, class, order, family, genus and species)</li> <li>● adaptations for plants and animals</li> <li>● life cycles of animals</li> </ul>	<ul style="list-style-type: none"> <li>★ exit tickets</li> <li>★ projects</li> <li>★ diagrams</li> <li>★ quiz</li> <li>★ unit test</li> </ul>	Interactive Science Text pg:101-141  Science Fusion Text pg:101-244  YouTube BrainPop Books Videos ESP kits	Sense of wonder and awe at God’s creation.  We are called to be good stewards of God’s creation  Describe God’s creation as good  God calls us to respect His creations  Refer to Michael Angelo’s Sistene Chapel: Adam’s finger

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							touching God Respect for plants and animals.
<b>March/ April</b>  <b>3-5 days a week</b>	5-PS3-1 5-LS2-1 5-ESS3-1	Ecosystems and the Water Cycle  1. Why did God create the different ecosystems?	Students will be able to:  1. identify how living things interact with their environment  2. describe how water moves through the environment	<ul style="list-style-type: none"> <li>● vocabulary</li> <li>● organisms in an ecosystem</li> <li>● how ecosystems change</li> <li>● food chains</li> <li>● how humans impact ecosystems</li> <li>● weather</li> <li>● climate</li> </ul>	<ul style="list-style-type: none"> <li>★ exit tickets</li> <li>★ diagrams</li> <li>★ projects</li> <li>★ quiz</li> <li>★ unit test</li> </ul>	Interactive Science Text pg:143-255  Science Fusion Text pg:245-326  YouTube BrainPop Books Videos	Sense of wonder and awe at God’s creation.  To be good stewards of God’s creation  God calls us to respect His creations  Refer to Pope Francis’ Laudato Si reg. environment and climate change
<b>May/June</b>  <b>3-5 days a week</b>	5-ESS1-1 5-ESS1-2 5-ESS2-1 5-ESS2-2	Earth and Space Systems  1. Is there life out there? Did Jesus	Students will be able to: understand and describe how objects move through space	<ul style="list-style-type: none"> <li>● vocabulary</li> <li>● how the Earth moves</li> <li>● what is a star</li> <li>● inner and outer</li> </ul>	<ul style="list-style-type: none"> <li>★ exit tickets</li> <li>★ projects</li> <li>★ diagrams</li> <li>★ quiz</li> </ul>	Interactive Science Text pg:258-312  Science Fusion	Sense of wonder and awe at God’s creation.

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		have to die for them?  2. What's our role in it? 3. What is special about Earth as opposed to other planets?	list the planets in order	planets ● asteroids, meteors, stars and moons	★ unit test	Text pg:537-576  YouTube BrainPop Books Videos	Refer to Genesis Balance of Nature  Understanding from the perspective that God created a well-ordered universe.
							If there is life on other planets, would Jesus need to save them?