

# Worth County Physical Science Curriculum Map 2017 - 2018

	1 <sup>st</sup> 9 WEEKS	2 <sup>nd</sup> 9 WEEKS	3 <sup>rd</sup> 9 WEEKS	4 <sup>th</sup> 9 WEEKS
<b>Week 1</b>	<b>SPS 7a</b>  <b>Nature of Matter &amp; Energy</b> <ul style="list-style-type: none"> <li>Orientation</li> <li>Safety/Equipment</li> <li>Scientific Method</li> <li>Energy Transformations</li> </ul>	<b>SPS 10 a - c</b>  <b>Electricity and Magnetism</b> <ul style="list-style-type: none"> <li>Voltage, current, and resistance.</li> <li>Flow of electrons</li> <li>Circuits</li> <li>Electromagnets</li> </ul>	<b>SPS 1 a - c</b>  <b>Atomic Structure/Periodic Table</b> <ul style="list-style-type: none"> <li>Proton, neutron, electron location and charge</li> <li>Atomic mass and number</li> <li>Use Periodic Table to predict above properties</li> </ul>	<b>SPS 6 a - c</b>  <b>Solutions, Acids and Bases</b> <ul style="list-style-type: none"> <li>Properties of solutions</li> <li>Solubility</li> <li>Acids and Bases</li> </ul>
<b>Week 2</b>				
<b>Week 3</b>	<b>SPS 9 a - e</b>  <b>Waves</b> <ul style="list-style-type: none"> <li>Properties of waves</li> <li>Types of waves</li> <li>Behavior of waves</li> <li>Applications of waves</li> </ul>	<b>SPS 8 a - c</b>  <b>Force and Motion</b> <ul style="list-style-type: none"> <li>Speed and acceleration</li> <li>Motion Graphs</li> <li>Newton's Laws of motion</li> <li>Gravity</li> </ul>	<b>SPS 2 a - c</b>  <b>Bonding</b> <ul style="list-style-type: none"> <li>Types and properties of bonds.</li> <li>Writing Formulas for Binary Compounds</li> <li>Naming Binary Compounds</li> </ul>	<b>SPS 7 b - d</b>  <b>Heat/Gas Laws</b> <ul style="list-style-type: none"> <li>Conduction, convection, radiation</li> <li>Insulators and conductors</li> <li>Phase changes/diagrams.</li> </ul>
<b>Week 4</b>				
<b>Week 5</b>				EOCT Review of Concepts
<b>Week 6</b>	<b>SPS 1 a; SPS 4 a - c</b>  <b>Atomic Structure/Radiation</b> <ul style="list-style-type: none"> <li>Proton, neutron, electron location and charge</li> <li>Atomic mass and number</li> <li>Fission and Fusion</li> <li>Half-life</li> <li>Applications of nuclear energy.</li> </ul>	<b>SPS 8 d</b>  <b>Machines</b> <ul style="list-style-type: none"> <li>Work &amp; mechanical advantage</li> <li>Simple Machines</li> </ul>	<b>SPS 3 a - b</b>  <b>Reactions</b> <ul style="list-style-type: none"> <li>Law of Conservation of Matter</li> <li>Balancing Equations</li> </ul>	
<b>Week 7</b>				
<b>Week 8</b>		<b>ENRICH AND EVALUATE:</b> <ul style="list-style-type: none"> <li>Rube Goldberg Device</li> </ul>		EOCT testing
<b>Week 9</b>	<b>ENRICH AND EVALUATE:</b> <ul style="list-style-type: none"> <li>Research Paper/Project (limited choice)</li> </ul>	<b>ENRICH AND EVALUATE:</b> <ul style="list-style-type: none"> <li>Midterm</li> </ul>	<ul style="list-style-type: none"> <li><b>ENRICH AND EVALUATE:</b> Research Paper/Project (limited choice)</li> </ul>	<b>ENRICH AND EVALUATE:</b> <ul style="list-style-type: none"> <li>EOY Project (choice)</li> </ul>

Common Core Literacy standards will be incorporated throughout the course.

*Updated 7/19/17*