



Science

**GRADE LEVEL:** 8th Grade

<b><u>Month</u></b>	<b>Theme/Topic for the Month</b>	<b>UNIT Plan/Lessons</b>
<b>Aug/Sept</b>	Introduction Science	<ol style="list-style-type: none"> <li>1. Lab Safety</li> <li>2. Scientific Method</li> <li>3. Graphing</li> <li>4. Types of variables</li> </ol>
<b>October</b>	Unit 1: What makes us up?	<ol style="list-style-type: none"> <li>1. What are atoms</li> <li>2. What are molecules</li> <li>3. What are compounds</li> <li>4. States of matter</li> </ol>
<b>October/ November</b>	Unit 2: Atoms	<ol style="list-style-type: none"> <li>1. What makes up atoms</li> <li>2. Calculating protons, neutrons, electrons</li> <li>3. Ions, isotopes</li> </ol>
<b>November/ December</b>	Unit 3: Periodic Table	<ol style="list-style-type: none"> <li>1. How to read the periodic table</li> <li>2. Trends of periodic table</li> <li>3. Groups and families of periodic table</li> </ol>
<b>January/ February/ March</b>	Unit 4: Chemical reactions	<ol style="list-style-type: none"> <li>1. Types of chemical reactions</li> <li>2. Law of conservation of mass</li> <li>3. Balancing chemical reactions</li> </ol>
<b>March/April</b>	Unit 5: Newton's laws	<ol style="list-style-type: none"> <li>1. What are Newton's laws</li> <li>2. What is force</li> <li>3. What is acceleration</li> </ol>
<b>April</b>	Unit 6: Motion	<ol style="list-style-type: none"> <li>1. Velocity</li> </ol>

		<ol style="list-style-type: none"><li>2. Acceleration</li><li>3. Kinetic energy</li><li>4. Potential energy</li></ol>
<b>May</b>	Unit 7: Work and power	<ol style="list-style-type: none"><li>1. Calculating work and power</li><li>2. How work and power are used</li></ol>