

**2009-2010 CURRICULUM MAP**  
**For**  
**8<sup>th</sup> Grade Science**  
**Mr. Vetter**

<b><u>Month</u></b>	<b><u>Unit Topics</u></b>
<b>August/September</b>	<b>Review scientific method and metric system</b> <b>Motion</b> <ul style="list-style-type: none"><li>- Speed, velocity, and acceleration</li><li>- Newton's Laws of Motion</li></ul> <b>Forces</b> <ul style="list-style-type: none"><li>- Measuring force</li><li>- Balanced and unbalanced forces</li></ul>
<b>October</b>	<b>Density and Buoyancy</b> <ul style="list-style-type: none"><li>- Calculate density of various substances</li><li>- Determine buoyant forces</li></ul> <b>Work, Energy, and Power</b> <ul style="list-style-type: none"><li>- Power, Work, Force, and Distance</li><li>- Kinetic and Potential energy</li><li>- Simple machines</li></ul>
<b>November</b>	<b>Electricity</b> <ul style="list-style-type: none"><li>- Electrical safety</li><li>- Static electricity</li><li>- Flowing electricity</li></ul>
<b>December/January</b>	<b>Magnetism and Electricity</b> <ul style="list-style-type: none"><li>- Earth's magnetism</li><li>- Connection between electricity and magnetism</li></ul>
<b>February</b>	<b>Electromagnetic Radiation and Light</b> <ul style="list-style-type: none"><li>- Waves and electromagnetic radiation</li><li>- The electromagnetic spectrum</li><li>- Refraction and reflection</li></ul>
<b>March/April</b>	<b>Sound Waves</b> <ul style="list-style-type: none"><li>- General properties of waves</li><li>- Frequency and amplitude</li></ul>
<b>April/May</b>	<b>Chemistry of Food and Respiration</b> <ul style="list-style-type: none"><li>- Food energy and the sun</li><li>- Photosynthesis in plants</li><li>- Respiration in animals</li><li>- Human nutrition and respiration</li><li>- Human health</li></ul>