

Science Curriculum Map

Grade and/or Course: 8<sup>th</sup> Grade Science

	<b>Quarter 1:</b>	<b>Quarter 2:</b>	<b>Quarter 3:</b>	<b>Quarter 4:</b>
<b>Essential Questions</b>	<p><b>What is Science and how do you “do it”?</b></p> <p><b>Who am I and why did I end up the way I am???</b></p>	<p><b>Where did we come from?</b></p> <p><b>What are the “Circles of Life”?</b></p>	<p><b>What is all this “stuff” in our world made of????</b></p> <p><b>What powers our world?</b></p>	<p><b>What powers our world?</b></p> <p><b>Where did the ‘Blue Marble’ come from and how do we take care of it –Pt2)?</b></p>
<b>Content in terms of essential Concepts and topics</b>	<p><b><u>Nature of Science</u>-(on-going)</b></p> <p><b>Scientific Models, Methods, Measurement and Safety</b></p> <p><b><u>Life Science</u></b></p> <p><b>Heredity</b></p> <p><b>Genetics</b></p> <p><b>Evolution</b></p> <p><b>Reproduction</b></p>	<p><b><u>Life Science (cont’d)</u></b></p> <p><b>History of Life-Geologic time scale</b></p> <p><b><u>Life Science (Environmental)</u></b></p> <p><b>Animals and their behavior</b></p> <p><b>Cycles of Nature</b></p>	<p><b><u>Physical Science/Chemistry</u></b></p> <p><b>Matter, Atoms and Elements</b></p> <p><b>Energy (conservation, bonding, and atomic energy, heat technology)</b></p>	<p><b><u>Physical Science/Chemistry (cont’d)</u></b></p> <p><b>Electricity and Electromagnetism</b></p> <p><b>Electronic technology</b></p> <p><b><u>Earth Science</u></b></p> <p><b>*Human Impact on Earth</b></p> <p><b>*Solar System</b></p>
<b>Standards/Skills i.e., processes and skills emphasized Indiana Academic Standards and MCSC skills</b>	<p>8.1.2, 8.1.3, 8.1.4, 8.1.5, 8.2.1, 8.2.2, 8.2.9, 8.5.6, 8.5.7, 8.1.8, 8.2.1, 8.2.6, 8.2.7, 8.5.5, 8.2.10, 8.3.6, 8.3.7, 8.7.1, 8.7.2, 8.7.4</p> <p>8.2.3, 8.2.4</p> <p>8.2.6, 8.4.7, 8.4.8</p>	<p>8.1.6, 8.2.7, 8.2.8, 8.3.8, 8.3.9, 8.7.5,</p> <p>8.1.1, 8.1.8</p> <p>8.1.7, 8.3.11, 8.5.4,</p> <p>8.3.12, 8.6.1, 8.7.6, 8.1.6,</p> <p>8.1.7, 8.2.2, 8.3.10, 8.3.13, 8.3.15, 8.5.3,</p> <p>8.6.2, 8.6.3,</p> <p>8.2.2, 8.2.6, 8.2.8, 8.3.9, 8.3.14, 8.5.3,</p>	<p>8.2.2, 8.2.7, 8.3.19, 8.3.20, 8.1.1, 8.1.8, 8.3.13, 8.3.18, 8.1.6, 8.2.4, 8.3.19,</p> <p>8.1.3, 8.2.3, 8.2.8, 8.4.1, 8.4.2, 8.4.3</p> <p>8.3.1, 8.3.5, 8.3.16, 8.3.17</p> <p>8.1.7, 8.1.8,</p>	<p>8.1.1, 8.2.6, 8.2.7, 8.2.10, 8.4.9, 8.5.4</p> <p>8.2.1, 8.2.3, 8.2.5, 8.2.6, 8.2.7, 8.2.8, 8.4.1</p> <p>8.2.2, 8.4.4, 8.4.5, 8.4.6, 8.5.2, 8.7.7</p>

<b>Products/Assessments</b> (It is assumed that teachers will assess students with traditional tests.)	<b>Products/Assessments</b> Wanted Poster / Famous Scientist (It is assumed that teachers will assess students with traditional tests.)	<b>Products/Assessments</b> Genetic Disorder Presentation (It is assumed that teachers will assess students with traditional tests.)	<b>Products/Assessments</b> Periodic Table Project (It is assumed that teachers will assess students with traditional tests.)	<b>Products/Assessments</b> Travel Brochure for a Planet (It is assumed that teachers will assess students with traditional tests.)
<b>Resources</b>	*Various Supplemental Resources *Internet Web Sites Prentice Hall Book – Human Biology	*Various Supplemental Resources *Internet Web Sites	*Various Supplemental Resources *Internet Web Sites *SCOPE Magazine	*Various Supplemental Resources *Internet Web Sites *Planetarium