

# Cornwall-Lebanon School District Curriculum Overview

## MS 8<sup>th</sup> Grade Science Academic/Honors






Earth and Space Science



Life Science



Physical Science

length of time in weeks	Concepts & Competencies	Common Assessments	PA State Science and Engineering Standards
 Earth and Space Science 12	<p style="text-align: center;"><u>Earth and Space Science</u></p> <p>The Earth's interior has structure.                      The Earth is composed of a number of dynamic interacting systems which exchange matter and/or energy.                      Earths' surface features are a dynamic system operating over different time periods.                      The health of all living things is directly related to the quality of the environment.                      Sustainable use of natural resources is essential to provide for the needs and wants of all living things now and in the future.                      Humans depend upon the management and practices of agricultural systems.</p>	<ul style="list-style-type: none"> <li>➤ Nature of Science assessment</li> <li>➤ Rock Cycle assessment</li> <li>➤ Plate Tectonics assessment</li> <li>➤ Soil and agriculture assessment</li> <li>➤ Performance Assessment Task</li> <li>➤ Earth and Space Science Trimester Exam</li> </ul>	3.3.7.A1. 3.3.7.A3. 3.3.7.A6.. 3.4.7.E3 3.4.7.E6 3.3.6.A2 3.3.7.A1 3.3.7.A2 3.3.8.A1 3.3.8.A2 3.3.8.A3
 Life Science 12	<p style="text-align: center;"><u>Life Science</u></p> <p>The survival of living things is dependent upon their adaptations and ability to respond to natural changes in and human influences on the environment.                      The cell is the basic unit of structure and function for all living things.                      Populations of organisms evolve by natural selection.</p>	<ul style="list-style-type: none"> <li>➤ Cell in action assessment</li> <li>➤ Lab Report Writing Module</li> <li>➤ Performance Assessment Task</li> <li>➤ Natural Selection and Evolution assessment</li> <li>➤ Life Science Trimester Exam</li> </ul>	3.1.8.A8 3.1.6.C1 3.1.8.C1 3.1.6.A5 3.1.7.A4 3.1.7.C2. 3.1.7.B1 3.1.7.B2 3.1.7.C1 3.1.7.C2
 Physical Science 12	<p style="text-align: center;"><u>Physical Science</u></p> <p>Energy is neither created nor destroyed. Energy can be transformed from one form to another, but transformation between forms often results in the loss of useable energy through the production of heat.                      Matter has observable physical properties and the potential to mix and form new materials.</p>	<ul style="list-style-type: none"> <li>➤ Chemical Bonding and Reactions assessment</li> <li>➤ Energy and its forms assessment</li> <li>➤ Performance Assessment Task</li> <li>➤ Physical Science Trimester Exam</li> </ul>	3.2.8.A1 3.2.7.B5. 3.2.8.A4 3.2.7.B5.. 3.2.7.A4 3.2.7.B6. 3.2.6.A1. 3.2.6.A3 3.2.6.A4 3.2.6.B2 3.2.6.A5 3.2.6.B3 3.2.7.A3 3.2.6.B4 3.2.7.B2 3.2.6.B6



3.2.7.B5