

Cornwall-Lebanon School District Curriculum Overview

CCMS_7th Grade Science_Honors/Academic






Earth and Space Science



Life Science



Physical Science

length of time in weeks	Concepts & Competencies	Common Assessments	Academic Standards (PA Core if applicable)
 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">12</div> <p>Trimester 1</p>	<p style="text-align: center;"><u>Life Science</u></p> <p>Explain how genetic instructions influence inherited traits. Explain that mutations can alter a gene and are the original source of new variations in a population. Identify Mendelian patterns of inheritance.</p>	<ul style="list-style-type: none"> ➤ Performance Assessment Task ➤ Genetics Lab ➤ Family Pedigree Project ➤ Argumentative Writing Assessment Collins 2.0 ➤ Life Science Trimester Exam 	<p>3.1.7.B1, 3.1.7.B1.,3.1.7.B4, 3.1.7.B5, 3.1.7.C2.</p>
 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">12</div> <p>Trimester 2</p>	<p style="text-align: center;"><u>Physical Science</u></p> <p>Explain how materials are characterized by having a specific amount of mass in each unit of volume (density). Differentiate between elements, compounds, and mixtures. Identify characteristics of elements derived from the periodic table. Apply Newton's three laws of motion to explain object movement.</p>	<ul style="list-style-type: none"> ➤ Performance Assessment Task ➤ Density Lab ➤ Classification of Matter Lab ➤ Periodic Table Family Tree Project ➤ Newton's Laws of Motion Lab ➤ Physical Science Trimester Exam 	<p>3.2.6.A2, 3.2.7.A1, 3.2.7.A1., 3.2.7.A1.,3.2.7.A2, 3.2.7.B1, 3.2.7.B1., 3.2.8.A1, 3.2.8.A2, 3.2.8.B1</p>
 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px;">12</div> <p>Trimester 3</p>	<p style="text-align: center;"><u>Earth and Environmental Science</u></p> <p>Describe how biogeochemical cycles move in different forms and in different locations including underground and in the atmosphere. Describe changes in atmospheric conditions associated with various weather patterns. Describe basic elements in meteorology.</p>	<ul style="list-style-type: none"> ➤ Performance Assessment Task ➤ Chesapeake Bay Unit Test ➤ Atmosphere Scale Drawing ➤ Cloud Identification Lab ➤ Earth and Environmental Science Trimester Exam 	<p>3.3.6.A4, 3.3.8.A5, 3.3.8.A5., 3.3.7.A5, 3.3.7.A5., 3.3.6.A5., 3.3.6.B2, 3.2.7.B3, 3.3.7.A1., 3.3.6.A5, 3.3.6.A5., 3.3.7.A6., 3.3.8.A4</p>