

# Cornwall-Lebanon School District Curriculum Overview

## Math Honors – 7<sup>th</sup> Grade

length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
Unit 1 2	<p style="text-align: center;"><u>Integers</u></p> <p>Absolute value Compare, add, subtract, multiply, and divide integers</p>	<ul style="list-style-type: none"> <li>➤ Unit 1 Test</li> <li>➤ MP1 Test</li> </ul>	CC.2.1.7.E.1, M07.A-N.1.1.1, M07.A-N.1.1.2, M07.A-N.1.1.3
Unit 2 3	<p style="text-align: center;"><u>Rational Number Operations</u></p> <p>Compare, add, subtract, multiply, and divide fractions, mixed numbers, and decimals</p>	<ul style="list-style-type: none"> <li>➤ Unit 2 Test</li> <li>➤ MP1 Test</li> </ul>	CC.2.1.7.E.1, M07.A-N.1.1.1, M07.A-N.1.1.2, M07.A-N.1.1.3
Unit 3 3	<p style="text-align: center;"><u>Real Numbers</u></p> <p>Convert fraction – decimal – percent Estimate and evaluate square and cube roots without a calculator Locate, order, and compare real numbers on a number line</p>	<ul style="list-style-type: none"> <li>➤ Unit 3 Test</li> <li>➤ MP1 Test</li> </ul>	CC.2.1.7.E.1, CC.2.1.8.E.1, CC.2.2.8.B.1, M08.A-N.1.1.1, M08.A-N.1.1.2, M08.A-N.1.1.3, M08.A-N.1.1.4, M08.A-N.1.1.5, M08.B-E.1.1.2
Unit 4 3	<p style="text-align: center;"><u>Exponents</u></p> <p>Simplify expressions with negative exponents Multiply and divide monomials Express large and small numbers in scientific notation and perform operations with scientific notation</p>	<ul style="list-style-type: none"> <li>➤ Unit 4 Test</li> <li>➤ MP2 Test</li> </ul>	CC.2.2.8.B.1, M08.B-E.1.1.1, M08.B-E.1.1.3, M08.B-E.1.1.4
Unit 5 5	<p style="text-align: center;"><u>Expressions and Equations</u></p> <p>Write and solve 1-step, 2- step, and multi-step equations</p>	<ul style="list-style-type: none"> <li>➤ Unit 5 Test</li> <li>➤ MP2 Test</li> </ul>	CC.2.2.7.B.3, CC.2.2.8.B.3, M08.B-E.3.1.2, M07.B-E.2.2
Unit 6 3	<p style="text-align: center;"><u>Pythagorean Theorem</u></p> <p>Write and solve problems using the Pythagorean Theorem including real world applications</p>	<ul style="list-style-type: none"> <li>➤ Unit 6 Test</li> <li>➤ MP3 Test</li> </ul>	CC.2.3.8.A.3, M08.C-G.2.1.1, M08.C-G.2.1.2, M08.C-G.2.1.3
Unit 7 2	<p style="text-align: center;"><u>Volume</u></p> <p>Compute the volume of cylinders, prisms, cones, pyramids, and spheres.</p>	<ul style="list-style-type: none"> <li>➤ Unit 7 Test</li> <li>➤ MP3 Test</li> </ul>	CC.2.3.7.A.1, CC.2.3.8.A.1, M08.C-G.3.1.1, M07.C-G.2.2
Unit 8 3	<p style="text-align: center;"><u>Dilations</u></p> <p>Use properties of congruent figures to solve problems Transform plane figures using reflections, translations, rotations, and dilations Use similar figures to find missing dimensions</p>	<ul style="list-style-type: none"> <li>➤ Unit 8 Test</li> <li>➤ MP3 Test</li> </ul>	CC.2.3.8.A.2, M08.C-G.1.1.1, M08.C-G.1.1.2, M08.C-G.1.1.3, M08.C-G.1.1.4

<b>Unit 9</b> <div style="border: 1px solid red; border-radius: 5px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">3</div>	<p style="text-align: center;"><u><b>Linear Equations</b></u></p> <p>Calculate and interpret slope  Write and interpret equations of a line in slope-intercept and standard forms</p>	<ul style="list-style-type: none"> <li>➤ Unit 9 Test</li> <li>➤ MP4 Test</li> </ul>	CC.2.2.8.B.2, CC.2.2.8.B.3, CC.2.2.8.C.1, M08.B-E.2.1.1, M08.B-E.2.1.2, M08.B-E.2.1.3, M08.B-E.3.1.1, M08.B-F.1.1.3
<b>Unit 10</b> <div style="border: 1px solid red; border-radius: 5px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">3</div>	<p style="text-align: center;"><u><b>Statistics</b></u></p> <p>Construct and interpret scatterplots  Write the equation of the line of best fit and determine its real world meaning  Analyze two-way tables and describe possible associations between two variables</p>	<ul style="list-style-type: none"> <li>➤ Unit 10 Test</li> <li>➤ MP4 Test</li> </ul>	CC.2.4.8.B.1, M08.D-S.1.1.1, M08.D-S.1.1.2, M08.D-S.1.1.3