

# Conrady Junior High 7th Grade Honors Curriculum Map

Topic	Standards	Glencoe Pre-Algebra Chapters
#1 Rational # Operations Real Numbers	<p>8.EE.7 (Solve linear equations in one variable.)</p> <p>7.NS.1 (Add and subtract rational numbers)</p> <p>7.NS.2 (Multiply and divide rational numbers)</p> <p>8.NS.1 (Decimal expansions and irrational numbers)</p> <p>8.NS.2 (Compare values of irrational numbers)</p> <p>8.EE.2 (Square root and cube roots)</p>	<p><b>Chapter 2:</b> 2-1 through 2-5;</p> <p><b>Chapter 3:</b> 3-1 through 3-6</p> <p><b>Section 10-2</b> Real numbers</p> <p><b>8<sup>th</sup> grade Unit 7</b></p>
#2 Expressions & Equations	<p>7.NS.3 (Solve real-world problems with rational numbers)</p> <p>7.EE.1 (Add, subtract, factor, expand linear expressions)</p> <p>7.EE.2 (Understand rewriting expressions as strategy for solving in context)</p> <p>7.EE.3 (Solve multi-step real-world problems and convert between forms in context)</p> <p>7.EE.4 (Solve real-world problems involving equations and inequalities)</p>	<p><b>Chapter 1:</b> 1-1, 1-2, 1-3</p> <p><b>Chapter 4:</b> 4-1 through 4-4</p> <p><b>Chapter 5:</b> 5-2 &amp; first half of 5-5</p> <p><b>8<sup>th</sup> Grade Unit 1</b></p> <p><b>Section 10-1</b></p>
#3 Inequalities	<p>7.EE.4 (Solve real-world problems involving equations and inequalities)</p>	<p><b>Chapter 5:</b> 5-3, 5-4, second half of 5-5</p>
#4 Ratios and Proportionality	<p>7.RP.1 (Unit rates)</p> <p>7.RP.2 (Proportional Relationships)</p> <p>7.RP.3 (Solve multi-step ratio and percent problems: simple interest, mark up, mark down, tip, percent increase/decrease, percent error, and commission)</p> <p>7.G.1 (Scale Drawing)</p>	<p><b>Chapter 6:</b> 6-1, 6-2, 6-4 through 6-9</p> <p><b>Chapter 7:</b> 7-5 through 7-7</p>
#5 Functions and Linear Relationships	<p>8.EE.5 (Graph and compare proportional relationships)</p> <p>8.EE.6 (Use similar triangles to explain slope)</p> <p>8.EE.7 (Solve linear equations in one variable)</p> <p>8.EE.8 (Pairs of simultaneous linear equations)</p> <p>8.F.1 (Understand functions)</p> <p>8.F.2 (Compare properties of functions)</p> <p>8.F.3 (Linear functions)</p> <p>8.F.4 (Construct &amp; interpret linear functions)</p> <p>8.F.5 (Describe functional relationships)</p>	<p><b>8<sup>th</sup> grade: Unit 3 and Unit 5</b></p> <p><b>Chapter 8</b></p>

#6 Geometric Measurement	7.G.2 (Draw geometric shapes with given conditions) 7.G.3 (Describe 2-D figures resulting from slicing 3-D figures) 7.G.4 (Area and circumference of circle) 7.G.5 (Solve equations for unknown angle) 7.G.6 (Solve real-world problems involving area, volume and surface area) 8.G.9 (Volume of cones, cylinders, and spheres)	<b>Chapter 11:</b> 11-1 through 110-9 <b>Chapter 12:</b> 12-1 through 12-6
#7 Exponents	8.EE.1 (Integer exponents) 8.EE.3 (Very small and very large quantities) 8.EE.4 (Scientific notation)	<b>Chapter 9</b> <b>8<sup>th</sup> grade Unit 2</b>