

2018-2019 CONRADY JUNIOR HIGH 7th Grade Math CURRICULUM MAP

Unit # and Name	Common Core State Standards	Unit Description	Estimated Time
#1 Integers	<p>7.NS.1a, 1b-1, 1b-2, 1c-1, 1c-2, 1d (Add and subtract rational numbers)</p> <p>7.NS.2a-1, 2a-2, 2b-1, 2b-2, 2c, 2d (Multiply and divide rational numbers)</p> <p>7.NS.3 (Solve real-world problems with rational numbers)</p> <p>7.C.1.1; 7.C.7.2; 8.C.6</p>	<p>Unit 1: Integers Integer Operations</p>	<p>21 days Sept. 20</p>
#2 Rational Numbers	<p>7.NS.1a, 1b-1, 1b-2, 1c-1, 1c-2, 1d (Add and subtract rational numbers)</p> <p>7.NS.2a-1, 2a-2, 2b-1, 2b-2, 2c, 2d (Multiply and divide rational numbers)</p> <p>7.NS.3 (Solve real-world problems with rational numbers)</p> <p>7.C.1.1; 7.C.2; 7.C.3; 7.C.7.2; 7.C.7.3; 7.D.1; 8.C.6</p>	<p>Unit 2: Rational Numbers Adding and Subtracting Rational Numbers Multiplying and Dividing Rational Numbers</p>	<p>16 days Oct. 19</p>
#3 Expressions	<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.NS.3 (Solve real-world problems with rational numbers)</p> <p>7.C.1.2; 7.C.7.4; 8.C.6; 8.D.2</p>	<p>Unit 3: Expressions Equivalent Expressions - Factor & Expand Multi-Step real-life problems</p>	<p>21 days Nov. 14</p>
#4 Equations	<p>7.EE.4a-1, 4a-2 (Solve real-world problems involving equations)</p> <p>7.C.5; 7.D.1; 7.D.3; 8.D.2</p>	<p>Unit 4: Equations</p>	<p>12 Days Dec 11</p>
#5 Inequalities	<p>7.EE.4b-1, 4b-2 (Solve real-world problems involving inequalities)</p>	<p>Unit 5: Inequalities Solving and Graphing Inequalities</p>	<p>12 days Dec. 21</p>
#6 Ratios and Proportionality	<p>7.RP.1 (Unit rates)</p> <p>7.RP.2a,b,c,d (Proportional Relationships)</p> <p>7.RP.3-1 (Solve multistep ratio problems)</p> <p>7.G.1 (Scale Drawing)</p> <p>7.C.4; 7.C.6.1; 7.C.6.2; 7.C.7.1; 7.D.2; 7.D.3; 7.D.4; 8.C.6; 8.D.2</p>	<p>Unit 6: Ratios and Proportional Relationships Ratios Rates Proportional Relationships Scale Drawing</p>	<p>22 days Feb. 7</p>
#7 Percents	<p>7.RP.3-2 (Solve multi-step percent problems)</p> <p>7.NS.3 (Solve real-world problems with rational numbers)</p> <p>7.C.1.1; 7.D.2; 7.D.4; 8.D.2</p>	<p>Unit 7: Percents Simple Interest Markups/Markdowns; Gratuities; Commissions; Fees Percent of Increase/Decrease Percent Error</p>	<p>16 days March 7</p>
#7.5 Problem Solving	<p>7.EE.3 (Solve multi-step real-world problems and convert between forms in context)</p> <p>7.RP.3 (Solve multistep ratio and percent problems)</p>	<p>Unit 3.5: Problem Solving Apply properties of operations to calculate with numbers in any form</p>	<p>5 days</p>

	<p>7.NS.3 (Solve real-world problems with rational numbers) 7.C.7.4; 8.D.2</p>	<p>Assess the reasonableness of answers using mental computation and estimation strategies.</p>	
<p>#8 Geometry</p>	<p>7.G.2 (Draw geometric shapes with given conditions) 7.G.3 (Describe 2-D figures resulting from slicing 3-D figures) 7.G.4-1, 4-2 (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) 7.G.6 (Solve real-world problems involving area, volume and surface area) 8.D.2</p>	<p>Unit 8: Geometry Angles & Triangles Circles Surface Area & Volume Slicing 3D Figures</p>	<p>Q3 2 quizzes Unit 8 Test: 18 days April 17</p>
<p>#9 Data Distributions</p>	<p>7.SP.1 (Sample populations) 7.SP.2 (Interpret random sample data) 7.SP.3 (Visual overlap of data distributions) 7.SP.4 (Measures of center and variability with two populations) 8.D.2</p>	<p>Unit 9: Statistics Sampling Comparing Two Populations Measures of Variability</p>	<p>Q4 Unit 9 Quiz: 6 days May 10</p>
<p>#10 Probability</p>	<p>7.SP.5 (Probability of chance event) 7.SP.6 (Collect data on chance process) 7.SP.7a, 7b (Develop probability model) 7.SP.8a, 8b, 8c (Find probabilities of compound events)</p>	<p>Unit 10: Probability Probability Concepts Relative Frequency Compound Events</p>	<p>Q4 Unit 10 Quiz: 6 days May 24</p>

Priority Standards = Approximately 70% **Supporting Standards** = Approximately 20% **Additional Standards** = Approximately 10%