

2019–2020 Conrady Junior High Sixth Grade Academic Mathematics Curriculum Map

Unit	Common Core State Math Standards	Unit Description	Estimated Time
#1 Introducing Ratios	<p>6.RP.1 (Ratios) 6.RP.2 (Unit rate) 6.RP.3a, 3B (Solve real-world ratio and rate problems) 6.C.8.1; 6.C.8.2; 6.D.1; 6.D.2; 6.D.3; 7.D.1; 7.D.2</p>	<p>Unit 1: Ratios and Proportional Relationships A. Equivalent Ratios B. Solving Ratio and Rate Problems C. Part to Part to Whole</p>	<p>Q1 19 Days Quiz 1 --Aug 28 Quiz 2 --Sept 9 Test --Sept 18</p>
#2 Unit Rate, & Percentages	<p>6.RP.1 (Ratios) 6.RP.2 (Unit rate) 6.RP.3a, 3b, 3c-1, 3c-2, 3d (Solve real-world ratio and rate problems -- includes metric & customary measurements) 6.C.8.1; 6.C.8.2; 6.D.1; 6.D.2; 6.D.3; 7.D.1; 7.D.2</p>	<p>Unit 2: Unit Rate & Percentages A. Unit Conversions B. Rates C. Percentages</p>	<p>Q1 19 Days Quiz 1 -Sept 30 Quiz 2--Oct 8 Test --Oct 16</p>
#3 Geometry	<p>6.G.1 (Area of polygons) 6.G.2-1, 2-2 (Volume of prisms by packing and using the formula) 6.G.3 (Draw polygons in the coordinate plane) 6.G.4 (Nets of 3D figures and surface area) 6.D.2; 7.D.2</p>	<p>Unit 3: Geometry A. Area B. Surface Area and Volume</p>	<p>Q2 21 days Quiz 1--Oct 25 Quiz 2 --Nov 5 Test --Nov 15</p>
#4 Arithmetic in Base Ten	<p>6.NS.2 (Divide multi-digit numbers -Long Division Algorithm) 6.NS.3-1, 3-2, 3-3, 3-4 (Operations on decimals) 6.Int.1 6.C.9; 6.D.2; 6.D.3</p>	<p>Unit 4: Arithmetic in Base Ten A. Adding and Subtracting Decimals B. Multiplying Decimals C. Dividing Decimals</p>	<p>Q3 16 days Quiz 1--Dec 3 Quiz 2 --Dec 11 Test --Dec 18</p>
#5 Dividing Fractions	<p>6.NS.1-1, 1-2 (Quotients of fractions) 6.G.2-1, 2-2 (Volume of prisms by packing and using the formula) 6.C.2; 6.C.3; 6.C.9; 6.D.2; 6.D.3; 6.Int.1</p>	<p>Unit 5: Fraction Operations A. Making Sense of Division B. Meaning of Fractional Division C. Fractions in Lengths, Areas and Volume</p>	<p>Q3 21 days Quiz 1--Jan 17 Quiz 2 --Jan 29 Test Feb 6</p>
#6 Expressions and Equations	<p>6.EE.1-1, 1-2 (Numerical expressions with exponents) 6.EE.2a, 2b, 2c-1, 2c-2 (Variable expressions) 6.EE.3 (Generate equivalent expressions) 6.EE.4 (Identify equivalent expressions) 6.EE.6 (Write expressions with variables when solving real-world problems) 6.NS.4-2 (Distributive property with expressions) 6.C.1.1; 6.C.7; 6.C.9; 6.Int.1; 6.D.1; 6.D.2; 6.D.3</p>	<p>Unit 6: Equations and Expressions A. Equations in One Variable B. Equal and Equivalent C. Expressions with Exponents D. Relationships between Quantities</p>	<p>Q3 18 Days Quiz 1-Feb 21 Quiz 2 --Mar 3 Test Mar 11</p>
#7 Rational Numbers	<p>6.EE.5-1, 5-2 (True equations and inequalities) 6.EE.7 (Solve real-world problems using equations) 6.NS.5 (Positive & Negative numbers in real-world contexts) 6.NS.6a, 6b-1, 6b-2, 6c-1, 6c-2 (Rational numbers on number line and coordinate plane) 6.NS.7a, 7b, 7c-1, 7c-2, 7d (Ordering and absolute value) 6.NS.8 (Solving real-world problems by graphing in the coordinate plane) 6.NS.4-1 (GCF, LCM) 6.C.4; 6.C.5; 6.C.9; 6.D.2; 7.D.2/3</p>	<p>Unit 7: Rational Numbers A. Negative Numbers and Absolute Value B. Inequalities C. Graphing in the Coordinate Plane D. LCM and GCF</p>	<p>Q4 20 days Test April 24</p>
#8 Statistics	<p>6.SP.1 (Statistical questions) 6.SP.2 (Distributions have center, spread, and overall shape) 6.SP.3 (Measures of center and variability) 6.SP.4 (Display data) 6.SP.5 (Summarize data) 6.C.9; 6.D.2</p>	<p>Unit 8: Statistics A. Dot Plots and Histograms B. Mean and MAD C. Median and IQR</p>	<p>Q4 20 days Quiz 1-April 30 Quiz 2 --May 7 Test May 20</p>

