

2019–2020 Conrady Junior High Sixth Grade Honors Curriculum Map

Unit	Standards	Sequence	Estimated Time
Unit 1 Number Sense	6.NS.2 (Divide multi-digit numbers) 6.NS.3-1, 3-2, 3-3, 3-4 (Operations on decimals) 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.4; 6.C.5; 7.C.8	Division with whole numbers/decimals, including Long Division Fractions to decimals Quiz [6.NS.2 & 6.NS.3] Dividing Fractions [models & algorithm, include GCF]	Q1 13 days 1 Quiz 1 Test Sept. 9-10
Unit 2 Integers and Rational Numbers	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) 6.NS.7a, 7b, 7c-1, 7c-2, 7d (Ordering and absolute value) 6.NS.8 (Solving real-world problems by graphing on a coordinate plane) 7.NS.1a, 1b-1, 1b-2, 1c-1, 1c-2, 1d (Add & subtract rational numbers) 7.NS.2a-1, 2a-2, 2b-1, 2b-2, 2c, 2d (Multiply & divide rational numbers) 7.NS.3 (Solve real-world problems with rational numbers) 7.C.1.1; 7.C.2; 7.C.3; 7.C.7.2; 7.C.7.3	Review of integers, compare/order, absolute value, coordinate plane Review rational numbers on a number line, compare/order, coordinate plane Review integer operations (adding & subtracting) Review rational number operations (adding & subtracting) Quiz Review integer operations (multiplying/dividing) Review rational number operations (multiplying/dividing) Evaluating expressions with exponents [opposite of 3 squared vs negative 3 squared] Order of operations with numerical expressions	Q1 17 days 1 Quiz 1 Test Oct. 3 - 4
Unit 3 Expressions	6.EE.1-1, 1-2 (Numerical expressions with exponents) 6.EE.2a, 2b, 2c-1, 2c-2 (Variable expressions) 6.NS.4-1, 4-2 (GCF, LCM & Distributive property with 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) 7.EE.1 (Add, subtract, factor, expand linear expressions) 6.C.1.1; 6.C.7; 7.C.1.2; 7.C.7.4; 8.C.6; 8.D.2	Expanding, Factoring, Adding, and Subtracting Algebraic Expressions; Combining like Terms; Equivalent Expressions Distributive property with rational numbers	Q1 & Q2 15 Days 1 Test Oct. 23-24
Unit 4 Equations	6.EE.5-1, 5-2 (True equations and inequalities) 6.EE.6 (Write equations with variables when solving real-world problems) 6.EE.7 (Solve real-world problems using equations) 6.EE.9 Use variables to represent two quantities in a real world problem 7.EE.4a-1, 4a-2 (Solve real-world problems involving equations) 8.EE.7b (Solve linear equations in one variable) 6.C.6; 7.C.5; 7.D.1	1-Step Equations w/ Rational Numbers, Writing and Solving 2-step or more equations w/ distributive property. Variables on both sides, include area/perimeter questions with writing equations	Q2 13 days 1 Quiz 1 Test Nov. 12 & 13

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Unit 5 Inequalities	6.EE.8 Write & understand inequalities 6.EE.4b-1, 4b-2 (Solve real-world problems involving inequalities) 8.EE.7b Solve linear inequalities with one variable	Solving and Graphing two step Inequalities	Q2 8 days 1 quiz no test Dec. 9
Unit 6 Ratios and Proportions	6.RP.1 (Ratios) 6.RP.2 (Unit rate) 6.RP.3a, 3b, 3c-1, 3c-2, 3d (Solve real-world ratio problems) 6.EE.9 (Independent and dependent variables) 7.RP.1 (Unit rates) 7.RP.2a, 2b, 2c, 2d (Proportional Relationships) 6.C.8.1, 6.C.8.2; 7.C.4; 7.C.7.1; 7.C.7.4, 7.D.2, 8.D.2	Topic 6 Ratios and Rates (Unit Rates with Fractions) Topic 7: Proportional Relationships Tables, Graphs, Equations, Constant of Prop., Maps	Q3 16 days 1 quiz 1 test Jan. 16 - 17
Unit 7 Percents	7.EE.2 (Understand rewriting expressions as strategy for solving in context; EX: 1.05a means increase by 5%) 7.RP.3-1, 3-2 (Solve multistep ratio and percent problems: simple interest, mark up, mark down, tip, percent increase/decrease, percent error, and commission) 7.EE.2 (Understand rewriting expressions as strategy for solving in context; EX: 1.05a means increase by 5%)	Topic 8: Percent equation, setting up proportions	Q3 12 days 1 test Feb. 4 - 5
Unit 8 Geometry, Formulas, and Graphs	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 coordinate plane) 6.G.4 (Nets of 3D figures and surface area) 7.D.2	Topic 13: Area (12 days) Topic 14: Surface Area and Volume (7 days)	Q3 24 days 1 quiz 1 test March 10 - 11

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Unit 9 Statistics	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) 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) 7.SP.5 (Probability of chance event) 7.SP.6 (Collect data on chance process) Mix together the 6th and 7th grade stats	Unit F: Statistics Topic 15/16: Data Displays, Measures of Center and Variation (11 days) Unit E: Statistics	Q4 12 days Start april 20 1 Quiz 1 Test May 5
Unit 10 Probability	7.SP.7a, 7b (Develop probability model) 7.SP.8a, 8b, 8c (Find probabilities of compound events) Do the 7th grade probability unit		Q4 1 quiz 1 test May 22

