

# Eighth Grade Conrady Junior High Curriculum Map

ISBE Unit	Standards	Digits Unit	Estimated Time
#1 Expressions & Equations	8.EE.7 (Solve linear equations in one variable)	<u>Digits Topic 2 &amp; Teacher Created Materials: Solving Equations</u>	Quarter 1 15 days 1 Quiz Test in Sept
#2 Exponents & Scientific Notation	8.EE.1 (Integer exponents) 8.EE.3 (Very small and very large quantities) 8.EE.4 (Scientific notation)	<u>Digits Topics 3: Exponent Rules (3.3 – 3.5)</u> <u>Digits Topics 4: Scientific Notation (4.1–4.5)</u>	Q1 14 Days 1 Quiz Test in Oct
#3 Linear Relationships	8.EE.5 (Graph and compare proportional relationships) 8.EE.6 (Use similar triangles to explain slope)	<u>Digits Topic 5: Proportional Relationships, lines, and linear equations (5.1-5.7)</u> Non digits Writing linear equations:	Quarter 2 16 Days 1 Quiz Test in Nov
#4 Congruence & Similarity	8.G.1 (Verify properties of transformations) 8.G.2 (Understand congruence using transformation) 8.G.3 (Describe effects of transformations in plane) 8.G.4 (Understand similarity using transformation) 8.G.5 (Angles, parallel lines cut by transversal) 8.EE.6 (Use similar triangles to explain slope)	<u>Digits Topic 9: Congruence (9.1-9.4)</u> <u>Digits Topic 10: Similarity (10.1-10.4)</u> <u>Digits Topic 11: Reasoning in Geometry (11.1-11.6)</u>	Q2 22 Days 1 Quiz Test in Dec
#5 Functions	8.F.1 (Understand functions) 8.F.2 (Compare properties of functions) 8.F.3 (Linear functions) 8.F.4 (Construct & interpret linear functions) 8.F.5 (Describe functional relationships)	<u>Digits Topic 7: Defining and Comparing Functions (7.1-7.7)</u> <u>Digits Topic 8: Linear Equations (8.1-8.6)</u>	Quarter 3 17 Days 1 Quiz Test in Feb
#6 Systems of Linear Equations	8.EE.8 (Pairs of simultaneous linear equations)	<u>Digits Topic 6: System of Two Linear Equations (6.1-6.7)</u> Additional Teacher Created Resources	Q3 20 days 1 Quiz Test 3-3
#7 Real Numbers	8.NS.1 (Decimal expansions and irrational numbers) 8.NS.2 (Compare values of irrational numbers) 8.EE.2 (Square root and cube roots)	Teacher Created Resources	Quarter 4 7 Days No Quiz Test in March
#8 Pythagorean Theorem	8.G.6 (Proof of Pythagorean Theorem) 8.G.7 (Apply Pythagorean Theorem to determine unknown side length) 8.G.8 (Apply Pythagorean Theorem to find distance between points on a Coordinate Plane)	<u>Digits Topic 12: Using the Pythagorean Theorem (12.1-12.6)</u>	Q4 8 days No Quiz Test in April

#9 Volume	8.G.9 (Volume of cones, cylinders, and spheres)	<u>Digit Topic 13: Surface Area and Volume (13.2,13.4,13.6)</u>  Additional Teacher Created Resources	Q4 9 days No Quiz Test in April/May
#10 Patterns & Bivariate Data	8.SP.1 (Scatter plots) 8.SP.2 (Line of best fit) 8.SP.3 (Interpret slope in data representation) 8.SP.4 (Two-way tables)	<u>Digits Topic 14: Scatter Plots (14.1-14.5)</u>	Q4 7 days Test in May