

Curriculum Pacing Chart						
2012-2013						
Subject: Math 8 Semester						
Week of	Week	SOL #	Unit	Bloom's	Objective	Textbook Correlation
1st Nine Weeks						
12-Aug	1	8.1a, 8.4	Number and Number Sense, Computation & Estimation		Write and evaluate algebraic expressions using order of operations. Problems will include absolute values and integer operations.	1-1 to 1-4
19-Aug	2	8.15a-c	Patterns, Functions, & Algebra		Identify properties of numbers. Write and solve equations using addition, subtraction, multiplication, and division	1-5 to 1-7 and Chapter 1 Test
26-Aug	3	8.1a-b, 8.3a	Number and Number Sense, Computation & Estimation		Find the GCF of a given number. Change fractions to decimals and use number lines to compare and order rational numbers. Add, subtract, multiply, and divide rational numbers.	2-1 to 2-5
1st Interim						
2-Sep	4	8.3a, 8.11, 8.5a-b, 8.2	Number and Number Sense, Computation & Estimation, Geometry		Use formulas to solve problems. Write, simplify, and evaluate expressions involving exponents. Write numbers in standard and scientific notation. Explore perfect squares. Classify numbers as rational or irrational. Estimate square roots.	2-6 to 2-8, Chapter 2 Test, VA-1, 3-1
9-Sep	5	8.2, 8.10a-b, 8.14, 8.16	Number and Number Sense, Geometry, Patterns, Functions, and Algebra		Describe relationships between subsets of real numbers. Solve problems using the Pythagorean Theorem. Graph points on the coordinate system. Use tables, equations, and graphs to solve problems.	VA-2, 3-2 to 3-3, VA-3, 3-4 to 3-5
16-Sep	6	8.14, 8.8a-b, 8.3a	Computation & Estimation, Geometry, Patterns, Functions, and Algebra		Use tables, equations, and graphs to solve problems. Graph and describe transformations in the coordinate plane. Write ratios and unit rates and use them to solve problems.	VA-4, 3-6 to 3-8, VA-5, Chapter 3 Test, 4-1
2nd Interim						
23-Sep	7	8.3a	Computation & Estimation		Solve practical problems involving ratios and proportions.	4-2 to 4-7, Chapter 4 Test
30-Sep	8	8.1b, 8.3a-b	Number & Number Sense, Computation & Estimation		Solve problems involving percents and ratios. Compare and order decimals, percents, and fractions.	5-1, VA-6, 5-3 to 5-8, Chapter 5 Test
7-Oct	9	8.15a-b	Patterns, Functions, & Algebra		Solve multistep linear equations and inequalities.	6-1 to 6-4, VA-7, 6-5, 6-6, VA-8, VA-9

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2nd Nine Weeks						
14-Oct	10	8.6a-b, 8.11	Measurement & Geometry		Measure and describe angle relationships of less than 360°. Classifying angles and quadrilaterals. Solving problems involving area.	Chapter 6 Test, 7-1, VA-10, VA-11 7-2, 7-4 to 7-6
21-Oct	11	8.7a-b, 8.9	Measurement & Geometry		Solve problems involving surface area and volume. Describe how changing one measured attribute affects surface area and volume. Construct a 3D model.	7-7, Chapter 7 Test, 8-1 to 8-9, VA-12
28-Oct	12	8.13a-b	Probability & Statistics		Make comparisons, predictions, and inferences using information displayed in graphs. Construct and analyze scatterplots.	Chapter 8 Test, 9-1 to 9-8, Chapter 9 Test, 9-9
1st Interim						
4-Nov	13	8.12	Probability & Statistics		Determine the probability of independent and dependent events with and without replacement.	10-1 to 10-4, VA-13, VA-14, 10-5, 10-6, Chapter 10 Test
11-Nov	14	8.16, 8.17	Patterns, Functions, & Algebra		Graph a linear equation in two variables. Identify domain and range in a given situation.	11-1 to 11-3, VA-15, 11-5, Chapter 11 Test, 11-6
18-Nov	15	8.1a	Number & Number Sense		Write and simplify polynomials. Use exponent rules to simplify expressions.	12-1 to 12-3, 12-5, Chapter 12 Test, 12-4
2nd Interim						
25-Nov	16				SOL Review	
2-Dec	17				SOL	
9-Dec	18		Prep for next class		Display knowledge of multiple representations of linear and quadratic equations.	