Curriculum Map

Course Title: 7th Grade Math			Quarter: 1-4	Academic Year: 2015-2016

Essential Questions for this Quarter:

1. How does this class prepare students for Algebra 1

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
Unit 1: (15-20 days)		Lessons 1-10	Operations Vocabulary, Properties, one variable equations, place value, divisibility, Greatest Common Factor, Basic Geometry Vocabulary, Fraction Review,	Test 1	
Unit 2: (15-20 days)		Lessons 11-20	Story Problem Plots, Reducing Fractions, Basic Measurement, Measuring Angles, Polygons, Similar and Congruent Figures, Perimeter, Exponents, Square Roots, Area	Test 2,3	
Unit 3: (15-20 days)		Lessons 21-30	Prime and Composite Numbers, Prime Factorization, Subtracting Fractions, Reducing Fractions Part 2, Multiplying and Dividing Fractions, Least Common Multiple, Averages, Rounding/Estimation, Fractional Operations with Unlike Denominators	Test 4,5	
Unit 4: (15-20 days)		Lessons 31-40	Decimal Numbers (Comparing, Rounding, Number Line, Operations), Metric Measurement, Ratios, Area of a Triangle, Reading Graphs, Proportions, Angles of a Triangle and Angle Pairs	Test 6,7	
Unit 5: (15-20 days) (Splits 1st/2nd Semester)		Lessons 41-50	Distributive Property, Repeating Decimals, Fractions/Decimal/Percents, Division Remainders, Rates, Powers of 10, Mixed Measures, Unit Conversions	Test 8,9	

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Unit 6: (15-20 days)		Lessons 51-60	Scientific Notation, Order of Operations, Symbols of Inclusion, Ratios, Unit Rates, Averages, Plotting Points, Negative Exponents, Symmetry, Adding Negative Numbers, Fractions and Percents of a Number	Test 10,11	
Unit 7: (15-20 days)		Lessons 61-70	Area of parallelogram, Triangles, Advanced Order of Operations, Adding Rational Numbers, Circumference and Pi, Ratios – including totals, Geometric Solids, Subtraction of Integers, Scientific Notation, Volume	Test 12,13	
Unit 8: (15-20 days)		Lessons 71-80	Fraction of a Group, Ratios, Multiplying and Dividing Integers, Fractional part of a number, Area of Trapezoid, Complex Fractions, Percent of a Number, Graphing Inequalities, Estimation of Area, Transformations	Test 14,15	
Unit 9: (15-20 days)		Lessons 81-90	Ratio/Percentage/Rates, Area of Circle, Multiplying Scientific Numbers, Like Terms, Order of operations with integers, Number Families, Multiplying Algebraic Terms, Unit Multipliers, Interior/Exterior Angles, Coefficients,	Test 16,17	
Unit 10: (15-20 days)		Lessons 91-100	Evaluating Algebraic Expressions, Percent of Change, Two-Step Equations and Inequalities, Probability of Dependent Events, Volume of Right Solid, Angle Measures, Distributive Property with Algebraic Terms, Similar Triangles	Test 18,19	

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