Middlesex County Public Schools Curriculum Map

Schedule Type: 90 Minutes Year Subject: Math 6 Revised: 2012

Time Frame	Unit/SOLs	SOL #	Strand
4 days	Review	All of 5th	all
3 days	The student will describe and compare two sets of data, using ratios, and will use appropriate notations, such as *a/b, a to b*, and *a: b*.	6.1	Number and Number Sense
14 days	The student will a) investigate and describe fractions, decimals, and percents as ratios; b) identify a given fraction, decimal, or percent from a representation; c) demonstrate equivalent relationships among fractions, decimals, and percents; and d) compare and order fractions, decimals, and percents.	6.2	Number and Number Sense
3 days	The student will a) identify and represent integers; b) order and compare integers; and c) identify and describe absolute value of integers.	6.3	Number and Number Sense
4 days	The student will investigate and describe concepts of positive exponents and perfect squares.	6.5	Number and Number Sense
8 days	The student will a) multiply and divide fractions and mixed numbers	6.6	Computation and Estimation

3 days	Review/Benchmark		
15 days	b) estimate solutions and then solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of fractions. The student will demonstrate multiple representations of multiplication and division of fractions.	6.6 6.4	Computation and Estimation Number and Number Sense
12 days	The student will solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of decimals.	6.7	Computation and Estimation
4 days	The student will evaluate whole number numerical expressions, using the order of operations.	6.8	Computation and Estimation

13 days	The student will make ballpark comparisons between measurements in the U.S. Customary System of measurement and measurements in the metric system.		6.9	Measurement and Geometry
3 days	Review/Benchmark			
13 days	The student will a) define π (pi) as the ratio of the circumference of a circle to its diameter; b) solve practical problems involving circumference and area of a circle, given the diameter or radius; c) solve practical problems involving area and perimeter; and d) describe and determine the volume and surface area of a rectangular prism.		6.10	Measurement and Geometry
3 days	The student will determine congruence of segments, angles, and polygons		6.12	Measurement and Geometry
3 days	The student will a) identify the coordinates of a point in a coordinate plane; and b) graph ordered pairs in a coordinate plane.		6.11	Measurement and Geometry
3 days	The student will describe and identify properties of quadrilaterals.		6.13	Measurement and Geometry

8 days	The student, given a problem situation, will a) construct circle graphs; b) draw conclusions and make predictions, using circle graphs; and c) compare and contrast graphs that present information from the same data set.		6.14	Probability and Statistics
5 days	The student will a) describe mean as balance point; and b) decide which measure of center is appropriate for a given purpose.		6.15	Probability and Statistics
5 days	The student will a) compare and contrast dependent and independent events; and b) determine probabilities for dependent and independent events.		6.16	Probability and Statistics
4 days	/Review/Benchmark			
5 days	The student will identify and extend geometric and arithmetic sequences.		6.17	Probability and Statistics

3 days	The student will investigate and recognize a) the identity properties for addition and multiplication; b) the multiplicative property of zero; and c) the inverse property for multiplication.	6.19	Patterns, Functions, and Algebra
14 days	The student will solve one-step linear equations in one variable involving whole number coefficients and positive rational solutions.	6.18	Patterns, Functions, and Algebra
3 days	The student will graph inequalities on a number line.	6.20	Patterns, Functions, and Algebra
20 days	Review for S.O.L	All	