SGS Unit Timeline Matrix

Grade: 7th Grade   Subject Area: MATH

Month	Standard(s)	Unit	Benchmark(s)	Examples of Skills (Activities):
Example ~ Math 2nd Grade	**7A**	**Currency/Money**	**7.A.1.c**	***Add/Subtract using currency** ***Make change from $1.00**
Aug./Sept.	10A, 10B, 7A, 6A, 6B, 6C, 6D, 8A	Interpreting data and statistics Applications of decimals		*Make frequency tables, line plots, bar and line graphs, stem and leaf plots and scater plots *Find mean, median, mode, and range *Make spread sheets *+, -, x, ÷ decimals *Estimate decimal problems *Use order of operations *Use the distribution property
October	6A, 6B, 6C, 6D, 8A	Applications of decimals		*+, -, x, ÷ decimals *Estimate decimal problems *Use order of operations *Use the distribution property
November	6A, 8A, 8B, 8D	Algebra: Integers and Equations		*+, -, x, ÷ integers *Evaluate and write variable expressions *Graph and order integers *Find absolute value *Solve +, -, x, ÷ equations
December	6A, 6B, 6C	Fractions and Number Theory		*Model fractions *Find factors and multiples * Compare, order and find equivalent fractions *Find prime factorization, GCF *Change decimals to fractions and back
January	6B, 6C, 8A, 8C	Applications of Fractions		*Estimate +, -, x, ÷ fractions problems *+, -, x, ÷ fraction equation *Change length, capacity and weight units in the customary system
February	6A, 6C, 6D, 7C, 8D	Using Proportions and Percents		*Write rations *Find unit rates and prices *Solve proportions *Work with similar figures

				*Model % *Find equivalent %, fractions and decimals *Use proportions to solve % problems and % of increase and decrease
March	9A, 9B	Geometry		*Classify and measure angles *Classify polygons *Identify congruent triangles *Identify parts of a circle *Make circle graphs *Bisect segments and angles
April	7A, 7C, 9A, 9B, 9C, 9D	Geometry and Measurement		*Estimate length and area *Find area of parallelograms, triangles, trapezoids and circles *Find perimeter and circumference *Find square roots and perfect squares *Use Pythagorean Theorem *Find surface area and volume of prisms and cylinders
May/June	10C	Probability		*Simulate events *Find experimental and theoretical probability *Find probability of dependent and independent events

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