

2008-2009 Pre-Algebra Curriculum Map

Mr. Vetter

TOPIC	DURATION	MONTH(S)
Whole numbers: Decimal number system, order of operations, multiples, factors, prime numbers, and variables	3 weeks	Aug/Sept
Fractions and Decimals: Arithmetic, rounding, significant figures, and conversions	3 weeks	Sept
Measurement and Word Problems: Metric and English units, conversions, simple word problems, and writing equations	2 weeks	Sept/Oct
Real Numbers: Positive and negative integers, square roots, the number family tree, and mental math	4 weeks	Oct
Simple Algebraic Expressions: Notation, expressions, terms, and expression arithmetic	2 weeks	Nov
Equations: Number sentences, solving algebraic equations, and word problems	5 weeks	Nov/Dec/Jan
Rate, Ratio, and Percentage: Rate, comparisons, proportions, and applications of percentage	3 weeks	Jan/Feb
Graphing: Ordered pairs, coordinate plane, linear equations, travel graphs, and slope.	2 week	Feb
Probability: Introduction to counting, simple and complex probability, and data analysis	1 week	Feb
CSAP Review: A review and introduction of topics on the CSAP exams such as algebra, word problems, graphing, probability, ratios, geometry, and writing	1 weeks	March
Geometry introduction and polygons: Lines, angles, parallel and perpendicular lines, triangles, quadrilaterals, and angle properties of polygons	3 weeks	March/April
Perimeter, Area, and Volume: Polygons, circles, surface area, and density	3 weeks	April
Similarity and congruence, scale drawings, patterns, tessellations, symmetry, and nets	3 weeks	May