

# Pre-Algebra Curriculum Map

Ms Williams

2003-2004

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	3 weeks	Oct
Simple Algebraic Expressions: Notation, expressions, terms, and expression arithmetic	3 weeks	Nov
Equations: Number sentences, solving algebraic equations, and word problems	5 weeks	Nov/Dec/Jan
Rate, Ratio, and Percentage: Rate, comparisons, proportions, applications of percentage, profit, commission, simple interest, and taxes	3 weeks	Jan/Feb
Geometry introduction: Lines, angles, parallel, and perpendicular	3 weeks	Feb
Polygons: Triangles, quadrilaterals, and angle properties of polygons	4 weeks	March (CSAP)
Area and Perimeter: Polygons, and circumference and area of circles	2 weeks	April
Volume, Surface Area, and Density	2 weeks	April
Similarity and Congruence: Drawings, polygons, and solids	2 weeks	May
Symmetries and Nets of plane and solid figures	2 weeks	May