

Pre-Algebra Curriculum Map

TOPIC	DURATION	MONTH(S)
<u>Skills Launch</u> : whole numbers, fractions, decimals	1 weeks	Aug/Sept
<u>Factors and Multiples</u> : prime factorization, exponential notation, GCF, LCM, square roots, cube roots	2 weeks	Sept
<u>Real Numbers</u> : number line, additive inverse, absolute value, arithmetic operations of integers, rational and real numbers	3 weeks	Oct
<u>Introduction to Algebra</u> : variables, algebraic expressions and formulas, writing algebraic expressions, like terms and unlike terms, distributive law, properties, factorization	3 weeks	Oct/Nov
<u>Equations</u> : solving equations involving integers, fractions, and decimals	2 weeks	Nov/Dec
<u>Ratios and Proportions</u> : average rate, speed, unit conversion, scale drawings	2 weeks	Dec
<u>Data Display</u> : central tendency, box-and-whisker, stem-leaf, histograms, bar graphs, line graphs, misleading graphs	3 weeks	Jan
<u>Percent Notation</u> : solving problems using percent equations and proportions, application of percent.	3 weeks	Feb
<u>Geometry and measurements</u> : Linear measurement, converting units of area, perimeter and area, volume and capacity, angles and triangles, square roots and Pythagorean Theorem,	3 weeks	Feb/Mar
<u>Inequalities and Coordinate graphing</u> : solving and graphing inequalities, graphing points, slope, graphing lines	2 weeks	Mar
<u>Probability</u> : probability of an event, sample space, tree diagram, independent events	2 weeks	April
<u>Polynomials</u> : +, -, \times polynomials, integers as exponents, scientific notation.	3 weeks	April/May