



Maths Long Term Overview

Year 6	
Autumn 1	<p>Place Value: Numbers to ten million; compare, order and round any number; and negative numbers.</p> <p>Four Operations: Add and subtract whole numbers, multiply up to 4-digit by 1-digit numbers, short division, division using factors, dividing by a 2-digit number, common factors and multiples; primes, squares and cubes, order of operations (BIDMAS), estimation and reasoning from known facts.</p>
Autumn 2	<p>Fractions: Simplifying, fractions on a number line, compare and order by the numerator/denominator, add and subtract fractions, multiply fractions by integers, multiply fractions by fractions, divide fractions by integers, four rules with fractions, finding fractions of amounts and finding the whole.</p> <p>Position and Direction: Co-ordinates in all four quadrants, translation and reflection.</p>
Spring 1	<p>Decimals: Three decimal places; multiply and divide by 10, 100 and 1000, multiply and divide decimals by integers, converting fractions to decimals and vice versa.</p> <p>Percentages: Converting fractions to percentages and vice versa, finding percentages of amounts, missing values, percentage increase and decrease; and ordering fractions, decimals and percentages.</p> <p>Algebra: One- and two- step rules, substitution, formulae, one- and two-step equations, finding pairs of values and enumerate possibilities.</p>
Spring 2	<p>Converting Units: Metric and imperial measures, converting miles to kilometres.</p> <p>Perimeter, Area and Volume: Different shapes with the same area, finding the area of triangles and parallelograms, finding volume by counting cubes and calculating the volume of cuboids.</p> <p>Ratio: Use ratio language, ratio and fractions, scale factors, ratio and proportion problems.</p>

	Statistics: Line graphs, circles, pie charts, mean.
Summer 1	Properties of Shape: Measure with a protractor, calculate angles; angles in triangles, quadrilaterals and regular polygons, drawing shapes accurately and nets of 3D shapes.
Summer 2	Consolidation and Investigation.