

## Year 6

Weeks	Autumn Term
1 - 2	<p><b>Place Value</b></p> <p>Reading, writing, ordering and comparing numbers to 10,000,000, recognising the value of each digit</p> <p>Rounding to any degree of accuracy</p> <p>Using negative numbers</p>
3 - 6	<p><b>Addition, Subtraction, Multiplication and Division</b></p> <p>Using long multiplication to multiply numbers with 4 digits by 2 digits</p> <p>Using long and short division to divide numbers of 4 digits by numbers of digits</p> <p>Interpreting remainders as whole numbers, fractions and decimals</p> <p>Identifying common factors, common multiples and prime numbers</p> <p>Using order of operation rules</p> <p>Selecting appropriate methods</p>
7 - 10	<p><b>Fractions</b></p> <p>Simplifying fractions and finding equivalent fractions</p> <p>Comparing and ordering fractions</p> <p>Adding and subtracting fractions</p> <p>Multiplying pairs of fractions</p> <p>Dividing fractions by whole numbers</p> <p>Knowing and calculating decimal and fraction equivalents</p>
11	<p><b>Position and Direction</b></p> <p>Describing positions on a coordinate grid of four quadrants</p> <p>Drawing, translating and reflecting simple shapes</p>
12	<p><b>Time</b></p> <p>Calculating intervals of time</p> <p>Reading timetables</p> <p>Converting between the 12 and 24 hour clocks</p>
	Spring Term
1 - 2	<p><b>Decimals</b></p> <p>Reading and writing numbers with up to 3 decimal places</p> <p>Multiplying and dividing decimal numbers by 10, 100 and 1000</p> <p>Multiply decimal numbers by whole numbers</p> <p>Rounding</p> <p>Recalling and using equivalences between fractions, decimals and percentages</p>
3 - 4	<p><b>Percentages</b></p> <p>Finding percentages of numbers</p> <p>Recognising and calculating percentage, decimal and fraction equivalences</p> <p>Use percentages for comparison</p>
5 - 6	<p><b>Algebra</b></p> <p>Using simple formulae</p> <p>Generating and describing linear number sequences</p> <p>Expressing missing number problems algebraically</p> <p>Finding pairs of numbers that satisfy an equation with two unknowns</p> <p>Enumerating possibilities of combinations of two variables</p>
7 - 9	<p><b>Measure</b></p> <p>Converting units using decimals of up to 3 places</p> <p>Converting between miles and kilometres</p> <p>Recognising that shapes with the same areas can have different perimeters and</p>

	<p>vice versa</p> <p>Using formulae for area and volume of shapes</p> <p>Calculating area of parallelograms and triangles</p> <p>Calculating, estimating and comparing volume of cubes and cuboids</p>
10 - 11	<p><b>Ratio and Proportion</b></p> <p>Solving problems involving the relative sizes of two quantities</p> <p>Using percentages for comparison</p> <p>Using scale factors to solve problems involving shapes</p>
12	<p><b>Statistics</b></p> <p>Interpreting and constructing pie charts and line graphs</p> <p>Using these to solve problems</p> <p>Calculating and interpreting mean as an average</p>
	<p>Summer Term</p>
1 - 2	<p><b>Geometry</b></p> <p>Drawing 2-D shapes using given dimensions and angles</p> <p>Recognising, describing and building simple 3-D shapes, making nets</p> <p>Finding unknown angles of triangles, quadrilaterals and regular polygons</p> <p>Comparing and classifying shapes according to their properties</p> <p>Naming parts of a circle</p> <p>Calculating circumference and radius</p> <p>Finding missing angles where lines meet at a point or cross a straight line</p>
3	<p><b>Position and Direction</b></p> <p>Describing positions on a coordinate grid of four quadrants</p> <p>Drawing, translating and reflecting simple shapes</p>
4	<p><b>SATs week</b></p>
5 - 6	<p><b>Math in art</b></p> <p>Tessellation</p> <p>Kandinsky</p> <p>Mondrian</p> <p>Sculpture</p>
7 - 12	<p><b>Year 7 Transition Project</b></p>