

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	Number – Place Value		Number – Addition & Subtraction		Number – Multiplication & Division including Decimals							Number - Negative Numbers	
Spring	Number – Fractions, Decimals & Percentages					Algebra		Ratio & Proportion		Measurement			
Summer	Measurement		Statistics		Geometry – Position & Direction		Geometry – Position & Direction			Number - Fractions		Measurement	

## Year 6 Autumn

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><b><u>Number - Place Value</u></b></p> <p>Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.</p> <p>Round any whole number to a required degree of accuracy.</p> <p>Solve number and practical problems that involve all of the above.</p> <p>Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places.</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy</p>		<p><b><u>Number – Addition &amp; Subtraction</u></b></p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>		<p><b><u>Number – Multiplication &amp; Division (Including Decimals)</u></b></p> <p>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.</p> <p>Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.</p> <p>Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.</p> <p>Identify common factors, common multiples and prime numbers.</p> <p>Use their knowledge of the order of operations to carry out calculations involving the four operations.</p> <p>Solve problems involving addition, subtraction, multiplication and division.</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p> <p>Multiply one-digit numbers with up to two decimal places by whole numbers.</p> <p>Use written division methods in cases where the answer has up to two decimal places.</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy.</p> <p>Perform mental calculations, including with mixed operations and large numbers.</p>							<p><b><u>Number – Negative Numbers</u></b></p> <p>Use negative numbers in context, and calculate intervals across zero</p>

## Year 6 Spring

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><b><u>Number – Fractions, Decimals &amp; Percentages</u></b></p> <p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</p> <p>Compare and order fractions, including fractions <math>&gt; 1</math></p> <p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p>Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, <math>\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}</math>]</p> <p>Divide proper fractions by whole numbers [for example, <math>\frac{1}{3} \div 2 = \frac{1}{6}</math>]</p> <p>Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, <math>\frac{3}{8}</math>]</p> <p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts</p>				<p><b><u>Algebra</u></b></p> <p>Find pairs of numbers that satisfy an equation with two unknowns</p> <p>Generate and describe linear number sequences</p> <p>Use simple formulae</p>		<p><b><u>Ration &amp; Proportion</u></b></p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p>		<p><b><u>Measurement</u></b></p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places</p> <p>Convert between miles and kilometres</p> <p>Recognise that shapes with the same areas can have different perimeters and vice versa</p> <p>Recognise when it is possible to use formulae for area and volume of shapes</p> <p>Calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units [for example, mm<sup>3</sup> and km<sup>3</sup>]</p>			

## Year 2 Summer

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><b><u>Measurement</u></b></p> <p>Recognise when it is possible to use formulae for area and volume of shapes.</p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places</p>		<p><b><u>Statistics</u></b></p> <p>Calculate and interpret the mean as an average</p> <p>Interpret and construct pie charts and line graphs and use these to solve problems</p>		<p><b><u>Geometry – Position &amp; Direction</u></b></p> <p>Describe positions on the full coordinate grid (all 4 quadrants)</p> <p>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes</p>		<p><b><u>Geometry – Properties of Shape</u></b></p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles</p> <p>Draw 2-D shapes using given dimensions and angles</p> <p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons</p>			<p><b><u>Number – Fractions</u></b></p> <p>Perform mental calculations, including with mixed operations and large numbers</p> <p>Use their knowledge of the order of operations to carry out calculations involving the 4 operations</p> <p>Solve problems involving addition, subtraction, multiplication and division</p>		<p><b><u>Measurement</u></b></p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate</p>