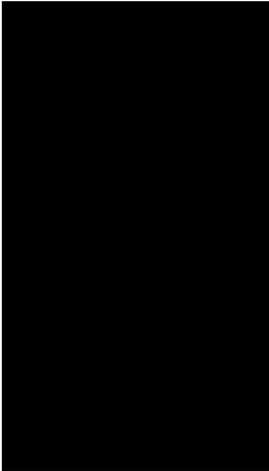


# Year 6 Maths Coverage

<b>Term 1</b>	<b>Number (NPV)</b>		<b>Number (Four operations)</b>		<b>WEEK 1- WHOLE SCHOOL THEME WEEK (LITERACY)</b>
Multiplication Facts	<p>Read, write, order and compare numbers up to 10 million and determine the value of each digit</p> <p>Round any whole number to a required degree of accuracy</p> <p>Use negative numbers in context, and calculate intervals across zero</p>		<p>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using long multiplication.</p> <p>Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division</p> <p>Divide numbers up to 4 digits by a two-digit number using the formal written method of short division</p> <p>interpret remainders as whole number remainders, fractions, or by rounding</p> <p>Identify common factors, common multiples and prime numbers.</p>		
<b>Term 2</b>	<b>Number (Four operations)</b>	<b>Fractions</b>			<b>Measurement</b>
	<p>Perform mental calculations, including with mixed operations and large numbers.</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.</p> <p>Divide proper fractions by whole numbers.</p>			<p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time using decimal notation to up to three decimal places</p> <p>Convert between miles and kilometres</p>
<b>Term 3</b>	<b>WHOLE SCHOOL STEM WEEK (Week 1)</b>		<b>Algebra</b>	<b>Fraction (incl. Decimals)</b>	
	<p><b>Ratio and Proportion</b></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 the calculation of percentages and the use of percentages for comparison</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p>		<p>Use simple formulae</p> <p>Generate and describe linear number sequences</p> <p>Express missing number problems algebraically</p> <p>Find pairs of numbers that satisfy an equation with two unknowns</p> <p>Enumerate possibilities of combinations of two variables.</p>	<p>Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction.</p> <p>Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</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>	
<b>Term 4</b>	<b>Fractions (incl Decimals and Percentages)</b>		<b>Measurement</b>		<b>Statistics</b>
	<p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</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</p> <p>Calculate, estimate and compare volume of cubes and cuboids using standard units</p>		<p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate and interpret the mean as an average.</p>

<p><b>Term 5</b></p>	<p><b>Geometry: Properties of Shape</b>          Draw 2-D shapes using given dimensions and angles</p> <p>Recognise, describe and build simple 3-D shapes, including making nets</p> <p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles</p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</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><b>Geometry: Position and Direction</b></p> <p>Describe positions on the full coordinate grid (all four quadrants)</p> <p>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes</p>	<p><b>KS2 SATs</b></p>	<p><b>Review</b></p>	
<p><b>Term 6</b></p>	<p><b>Problem Solving and Investigation</b></p> <p>Area of a Polygon</p> <p>Convert units</p> <p>Number patterns</p> <p>Order of operations</p>	<p><b>WHOLE SCHOOL SPORTS WEEK</b></p>	<p><b>TRANSITION WORK/INTERVENTIONS</b></p>		