

# National Curriculum - Overview for Maths

## YEAR 2

<b>Autumn Term 1</b>	<b>Number Sense:</b> Number, place value and rounding <ul style="list-style-type: none"><li>• count in steps of 2 and 5 from 0</li><li>• recognise the place value of each digit in a two-digit number (tens, ones)</li><li>• identify, represent and estimate numbers</li><li>• compare and order numbers from 0 up to 100</li><li>• read and write numbers to at least 100 in numerals</li><li>• use place value and number facts to solve problems</li></ul> Measurement <ul style="list-style-type: none"><li>• compare and order lengths, mass, volume / capacity</li><li>• compare and sequence intervals of time</li></ul> Statistics ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity <b>Additive Reasoning:</b> Number and place value Addition and subtraction <ul style="list-style-type: none"><li>• solve problems with addition and subtraction:</li><li>• recall and use addition and subtraction facts to 20 fluently</li><li>• add and subtract numbers using concrete objects, pictorial representations, and mentally, including:<ul style="list-style-type: none"><li>– a two-digit number and ones</li><li>– a two-digit number and tens</li><li>– adding three one-digit numbers</li></ul></li></ul> Measurement <ul style="list-style-type: none"><li>• solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li></ul> Statistics <ul style="list-style-type: none"><li>• ask and answer questions about totalling and comparing categorical data</li></ul>
<b>Autumn Term 2</b>	<b>Geometric Reasoning:</b> Geometry: properties of shapes <ul style="list-style-type: none"><li>• identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li><li>• identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li><li>• identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</li><li>• compare and sort common 2-D and 3-D shapes and</li></ul>

	<p>everyday objects</p> <p>Geometry: position and direction</p> <ul style="list-style-type: none"> <li>• order and arrange combinations of mathematical objects in patterns and sequences</li> <li>• use mathematical vocabulary to describe position, direction and movement.</li> </ul> <p><b>Number Sense:</b></p> <p>As for Autumn 1 with the addition of ; use &lt;, &gt; and = signs</p> <p>Measurement</p> <ul style="list-style-type: none"> <li>• compare and order lengths, mass, volume / capacity and record the results using &gt;, &lt; and =</li> </ul> <p><b>Additive Reasoning:</b></p> <p>As for Autumn 1 with the addition of</p> <ul style="list-style-type: none"> <li>• recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>• recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>• recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>• find different combinations of coins to equal the same amounts of money</li> </ul> <p>Statistics</p> <p>As for Autumn 1</p>
<p><b>Spring Term 1</b></p>	<p><b>Number Sense:</b></p> <p>Number and place value</p> <p>Multiplication and division</p> <ul style="list-style-type: none"> <li>• recognise odd and even numbers</li> </ul> <p>Statistics</p> <ul style="list-style-type: none"> <li>• interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> </ul> <p><b>Multiplicative Reasoning:</b></p> <p>Number and place value</p> <p>Multiplication and division</p> <ul style="list-style-type: none"> <li>• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>• calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>• show that multiplication of two numbers can be done in</li> </ul>

	<p>any order (commutative) and division of one number by another cannot</p> <ul style="list-style-type: none"> <li>• solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>• tell and write the time to five minutes</li> <li>• know the number of minutes in an hour and the number of hours in a day.</li> </ul>
<p><b>Spring Term 2</b></p>	<p><b>Number Sense:</b></p> <p>Number and place value Revisit previous topics covered.</p> <p><u>Measurement</u></p> <ul style="list-style-type: none"> <li>• choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); mass (kg / g); temperature (°C); capacity (litres / ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> </ul> <p><b>Additive Reasoning:</b></p> <p>Revisit previous topics covered for:</p> <p>Number and place value Measurement Statistics</p>
<p><b>Summer Term 1</b></p>	<p><b>Geometric Reasoning:</b></p> <p>Revisit previous topics covered for:</p> <p>Geometry: properties of shape Geometry: position and direction</p> <p><b>Number Sense:</b></p> <p>Number and place value</p> <p>Revisit previous topics covered with the addition of:</p> <ul style="list-style-type: none"> <li>• read and write numbers to at least 100 in numerals and in words</li> </ul> <p>Measurement Statistics</p>

	<p><b>Additive Reasoning:</b></p> <p>Number and place value  Addition and subtraction  <i>Statistics</i></p>
<p><b>Summer Term 2</b></p>	<p><b>Multiplicative Reasoning:</b></p> <p>Number and place value  Multiplication and division  Fractions</p> <ul style="list-style-type: none"> <li>• recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>• write simple fractions for example <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>• tell and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these times</li> </ul> <p><b>Geometric Reasoning:</b></p> <p>Geometry: properties of shape  Geometry: position and direction</p> <ul style="list-style-type: none"> <li>• use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)</li> </ul> <p>Fractions</p>