



## Year 2 Curriculum Objectives

| Number- Number and place value  | Number- Addition and subtraction   | Number- Multiplication and division   |
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| <ul style="list-style-type: none"><li>• count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward</li><li>• recognise the place value of each digit in a two-digit number (10s, 1s)</li><li>• identify, represent and estimate numbers using different representations, including the number line</li><li>• compare and order numbers from 0 up to 100; use <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li><li>• read and write numbers to at least 100 in numerals and in words</li><li>• use place value and number facts to solve problems</li></ul> | <ul style="list-style-type: none"><li>• solve problems with addition and subtraction:<ul style="list-style-type: none"><li>• using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li><li>• applying their increasing knowledge of mental and written methods</li></ul></li><li>• recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</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 1s</li><li>• a two-digit number and 10s</li><li>• 2 two-digit numbers</li><li>• adding 3 one-digit numbers</li></ul></li><li>• show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 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> | <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 (<math>=</math>) signs</li><li>• show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot</li><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> |

| Number- Fractions  | Geometry- Properties of shape  |  |
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| <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> | <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 everyday objects</li> </ul> | <p><b>Measurement</b></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 (<math>^{\circ}\text{C}</math>); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> <li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>find different combinations of coins that equal the same amounts of money</li> <li>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> <li>compare and sequence intervals of time</li> <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> <li>know the number of minutes in an hour and the number of hours in a day</li> </ul> |
|  | <p><b>Geometry- Position and direction</b></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, 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><b>Statistics</b></p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and tables</li> <li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>ask-and-answer questions about totalling and comparing categorical data</li> </ul>  |