

### Mathematics Overview – Year One

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>W 1</b>	Number and place value	Number and place value	Number and place value	Number and Fractions	Number and place value	Number and place value
<b>W 2</b>	Addition and subtraction	Addition and subtraction	Addition and subtraction	Addition and subtraction	Addition and subtraction	Multiplication and division
<b>W 3</b>	Addition and subtraction Number facts	Length	Addition and subtraction	Time	Addition and subtraction	Measurements
<b>W 4</b>	2D shapes	Addition and subtraction	3D shapes and Time	Addition and subtraction	Weight and Capacity	Addition and subtraction
<b>W 5</b>	Number and place value	Money	Multiplication and division	Number and place value	Fractions and Money	Multiplication and division
<b>W 6</b>	Assess and review week	Assess and review week	Assess and review week	Assess and review week	Assess and review week	Assess and review week

### Mathematics Objectives Year One

	Mathematics Objectives
	<b>I can...</b>
<b>Number and Place Value</b>	<ul style="list-style-type: none"> <li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li> <li>count, read and write numbers to 100 in numerals</li> <li>count in multiples of twos, fives and tens</li> <li>given a number, identify one more and one less</li> <li>use the language of: equal to, more than, less than (fewer), most, least</li> <li>identify and represent numbers using objects and</li> </ul>

	<p>pictorial representations including the number line</p> <ul style="list-style-type: none"> <li>• read and write numbers from 1 to 20 in numerals and words</li> </ul>
<b>Addition and subtraction</b>	<ul style="list-style-type: none"> <li>• represent and use number bonds and related subtraction facts within 20</li> <li>• add and subtract one-digit and two-digit numbers to 20, including zero</li> <li>• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li> </ul>
<b>Multiplication and division</b>	<ul style="list-style-type: none"> <li>• count in multiples of twos, fives and tens (replicated in Number and Place Value)</li> <li>• solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul>
<b>Fractions</b>	<ul style="list-style-type: none"> <li>• recognise, find and name a half as one of two equal parts of an object, shape or quantity</li> <li>• recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</li> </ul>
<b>Algebra</b>	<ul style="list-style-type: none"> <li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math> (replicated in Addition and Subtraction)</li> <li>• represent and use number bonds and related subtraction facts within 20 (replicated in Addition and Subtraction)</li> <li>• sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (replicated in Measurement)</li> </ul>
<b>Measurement</b>	<ul style="list-style-type: none"> <li>• compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>- lengths and heights [e.g. long/short, longer/shorter,</li> </ul> </li> </ul>

	<p>tall/short, double/half]</p> <ul style="list-style-type: none"> <li>- mass/weight [e.g. heavy/light, heavier than, lighter than]</li> <li>- capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter]</li> <li>- time [e.g. quicker, slower, earlier, later]</li> <li>• sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li> <li>• measure and begin to record the following: <ul style="list-style-type: none"> <li>- lengths and heights</li> <li>- mass/weight</li> <li>- capacity and volume</li> <li>- time (hours, minutes, seconds)</li> </ul> </li> <li>• recognise and know the value of different denominations of coins and notes</li> <li>• tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</li> <li>• recognise and use language relating to dates, including days of the week, weeks, months and years</li> </ul>
<p><b>Geometry – Properties of shapes</b></p>	<ul style="list-style-type: none"> <li>• recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> <li>- 2-D shapes [e.g. rectangles (including squares), circles and triangles]</li> <li>- 3-D shapes [e.g. cuboids (including cubes), pyramids and spheres]</li> </ul> </li> </ul>
<p><b>Geometry – Position and direction</b></p>	<ul style="list-style-type: none"> <li>• describe position, direction and movement, including half, quarter and three-quarter turns</li> </ul>