

## Year 3

Aspect	Autumn	Spring	Summer
<b>Number and Place Value</b>	<ul style="list-style-type: none"> <li>▪ I count from 0 in multiples of 4, 8, 50 and 100.</li> <li>▪ I can find 10 or 100 more, or less, than a given number.</li> <li>▪ I read and write numbers to 1,000 in numerals and words</li> </ul>	<ul style="list-style-type: none"> <li>▪ I compare and order numbers up to 1000.</li> <li>▪ I recognise the place value of each digit in a 3-digit number.</li> </ul>	
<b>Addition and Subtraction</b>		<ul style="list-style-type: none"> <li>▪ I add and subtract numbers mentally, including: 3-digit number and ones; 3-digit numbers and tens; 3-digit numbers and hundreds.</li> <li>▪ I add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction.</li> </ul>	<ul style="list-style-type: none"> <li>▪ I estimate the answer to a calculation and use the inverse operations to check my answers.</li> <li>▪ I count up and down in tenths; recognise that tenths arise from dividing an object into ten equal parts and in dividing numbers or quantities by 10.</li> <li>▪ I add and subtract measures (length, mass and volume) with up to 3 digits, using formal written methods of columnar addition and subtraction.</li> <li>▪ I solve word problems including missing number problems, number facts, place value and more complex addition and subtraction.</li> </ul>
<b>Multiplication and Division</b>	<ul style="list-style-type: none"> <li>▪ I recall and use the multiplication and division facts for the 3, 4 and 8 tables.</li> <li>▪ I write and calculate mathematical statements for multiplication using known multiplication tables, including 2-digit x 1-digit, using mental and progressing to formal written methods.</li> <li>▪ I write and calculate mathematical statements for division using known multiplication tables, including 2-digit x 1-digit, using mental and progressing to formal written methods.</li> </ul>	<ul style="list-style-type: none"> <li>▪ I write and calculate mathematical statements for multiplication and division using known multiplication tables, including use of money and length.</li> </ul>	<ul style="list-style-type: none"> <li>▪ I practise formal methods of multiplication and division, including a high focus on reasoning.</li> </ul>

## Year 3 (continued)

Aspect	Autumn	Spring	Summer
<b>Fractions</b>		<ul style="list-style-type: none"> <li>• I recognise and show, using diagrams, equivalent fractions with small denominators.</li> <li>• I recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>• I compare and order unit fractions, and fractions with the same denominators.</li> <li>• I add and subtract fractions with the same denominator within one whole.</li> </ul>	
<b>Measures</b>	<ul style="list-style-type: none"> <li>• I measure the perimeter of simple 2D shapes.</li> <li>• I estimate and read time with increasing accuracy to the nearest minute; Tell and write the time from an analogue clock, including using Roman numerals from I to XII.</li> </ul>	<ul style="list-style-type: none"> <li>• I measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/ capacity (l/ml).</li> <li>• I read 12-hour and 24-hour clocks.</li> <li>• I record and compare time in terms of seconds, minutes, hours.</li> <li>• I use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.</li> </ul>	<ul style="list-style-type: none"> <li>• I know the numbers of seconds in a minute and the number of days in each month, year and leap year.</li> <li>• I compare durations of events, for example to calculate time taken by particular events or tasks.</li> </ul>
<b>Geometry</b>	<ul style="list-style-type: none"> <li>• I make 3D shapes using modelling materials; recognise 3D shapes in different orientations; and describe them.</li> </ul>	<ul style="list-style-type: none"> <li>• I draw 2D shapes.</li> <li>• I recognise angles are a property of shape or a description of a turn.</li> <li>• I identify right angles, recognise that two right angles make a half-turn, three make three quarters and four a complete turn</li> <li>• I identify whether angles are greater than or less than a right angle.</li> </ul>	<ul style="list-style-type: none"> <li>• I identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>
<b>Statistics</b>	<ul style="list-style-type: none"> <li>• I interpret and present data using: bar charts; pictograms and tables.</li> </ul>		<ul style="list-style-type: none"> <li>• I solve 1-step and 2-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts, pictograms and other graphs.</li> </ul>