

## Maths Long Term Plan Year 3

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Number and Place Value</b>	<p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Find 10 or 100 more or less than a given number.</p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</p> <p>Compare and order numbers up to 1000.</p> <p>Identify, represent and estimate numbers using different representations.</p> <p>Read and write numbers up to 1000 in numerals and in words.</p> <p>Solve number problems and practical.</p>	<p>Compare and order numbers up to 1000</p> <p>Read and write numbers up to 1000 in numerals and in words</p> <p>Solve number problems and practical problems involving these ideas.</p>				
<b>Addition and Subtraction</b>	<p>Add with up to three digits, using a formal written method of columnar addition.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</p>	<p>Subtract numbers with up to three digits, using a formal written method of subtraction</p>	<p>Add and subtract numbers mentally</p> <p>Estimate the answers and use inverse operations</p> <p>Scale addition and subtraction facts by 10</p> <p>Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction</p> <p>Recognise number complements to 100.</p> <p>Investigate how 100 can be split equally</p>		<p>Estimate the answer to a calculation</p> <p>Use inverse calculations to check answers</p> <p>Use the inverse to find missing numbers</p> <p>Answer word problems using the 4 operations</p>	
<b>Multiplication and Division</b>	<p>Multiply and divide by 3</p> <p>Multiply 3 single digit numbers</p> <p>Scale objects</p>	<p>Write and calculate mathematical statements for multiplication and division, including for two-digit numbers times one digit numbers, using mental and</p>	<p>Recall and use multiplication and division facts or the 4 multiplication tables.</p> <p>Write and calculate mathematical statements</p>	<p>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for</p>	<p>Multiply by 8</p> <p>Divide by 8</p> <p>Correspondence problems in which n objects are connected to m objects</p>	<p>Division- formal written method (Step 3 of the calculation policy)</p> <p>Multiply a 2-digit number by a 2-digit number mentally</p>

		<p>progressing to formal written methods Multiply and divide by 4</p>	<p>for division using the multiplication tables that they know, including for two digit numbers times one digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division</p>	<p>two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects</p>	<p>Use the inverse to find missing numbers</p>	
<b>Fractions</b>	<p>Explore the meaning of a tenth Make a whole Count in tenths</p>	<p>Identify unit and non-unit fractions To find a unit fraction of an amount</p>		<p>Recognise and show, using diagrams, equivalent fractions with small denominators Add and subtract fractions with the same denominator within one whole [e.g. <math>5/7 + 1/7 = 6/7</math>] Compare and order unit fractions, and fractions with the same denominators Solve problems that involve all of the above</p>		
<b>Measurement</b>		<p>Tell and write the time from an analogue clock Estimate and read time with increasing accuracy to the five minutes</p>	<p>Add and subtract amounts of money to give change, using both £ and p in practical contexts</p>	<p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</p>	<p>Compare, add and subtract lengths (m/cm/mm) Compare, add and subtract mass (kg/g).</p> <p>Tell time to the nearest minute.</p>	<p>Measure, compare, add and subtract: volume/capacity (l/ml)</p> <p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12 hour and 24 hour clocks Estimate and read time with increasing accuracy to the nearest minute Know the number of seconds in a minute and the number of days in each month, year and leap year Compare durations of events</p>

<b>Geometry</b>	<p>Recognise angles as a property of shape or a description of a turn  Identify whether angles are greater than or less than a right angle  Recognise right angles</p>	<p>Measure and calculate perimeter  Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p>	<p>Interpret and create a pictogram  Interpret and create a bar chart  Interpret and create a table.  Answer questions on a bar chart provided  Answer questions based on a table provided</p>	<p>Draw 2D shapes and make 3D shapes using modelling materials  Recognise 3D shapes in different orientations and describe them</p>		
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