



## Year 2 Maths Overview 2022 - 2023

*'With each small step the Lord guides me to the best that I can be'*

Half Term 1 (Autumn 1)	Week	Mental Maths	Curriculum
	1	Mastering Number	<p><i>Pre-Assessment of Y1 Place Value to take place</i></p> <p><u>Year 1 Place Value</u></p> <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; count in multiples of twos, fives and tens</li> <li>Given a number, identify one more and one less</li> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> <li>Read and write numbers from 1 to 20 in numerals and words</li> </ul>
	2	Mastering Number	
	3	Mastering Number	<p><u>Year 2 Place Value</u></p> <ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Recognise the place value of each digit in a two-digit number (tens, ones)</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 &lt;, &gt; and = 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>
	4	Mastering Number	<p><i>End of unit check for Y2 Place Value to take place</i></p> <p><i>Pre-Assessment of Y1 Addition and Subtraction to take place</i></p>
	5	Mastering Number	<p><u>Year 1 Addition and Subtraction</u></p> <ul style="list-style-type: none"> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li> <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>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \_ - 9</math></li> </ul>
	6	Mastering Number	



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		<u>Year 2 Addition and Subtraction</u> <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></ul>
7	<i>Mastering Number</i>	<u>Consolidation Week</u> <ul style="list-style-type: none"><li>• Place Value</li><li>• Addition and Subtraction</li></ul>



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		Mental Maths	Curriculum
Half Term 2 (Autumn 2)	1	Mastering Number	<u>Year 2 Addition and Subtraction</u> <ul style="list-style-type: none"> <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>Two two-digit numbers</li> <li>Adding three one-digit numbers</li> </ul> </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><i>End of unit check for Y2 Addition and Subtraction to take place</i>  <i>Pre-Assessment of Y1 Shape to take place</i></p>
	2	Mastering Number	
	3	Mastering Number	
	4	Mastering Number	<u>Year 1 Shape</u> <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 [for example, rectangles (including squares), circles and triangles]</li> <li>3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</li> </ul> </li> </ul>
	5	Mastering Number	<u>Year 2 Shape</u> <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>
	6	<b>Assessment Week</b>  Mastering Number	



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7

**Consolidation Week**

*Mastering Number*

Consolidation Week

- Addition and Subtraction
- Shape

*End of unit check for Y2 Shape to take place  
Pre-Assessment of Y1 Money to take place*



## Year 2 Maths Overview 2022 - 2023

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Half Term 3 (Spring 1)	Week	Mental Maths	Curriculum
	1	Mastering Number	<u>Year 1 Money</u> <ul style="list-style-type: none"> <li>Recognise and know the value of different denominations of coins and notes</li> </ul>
	2	Mastering Number	<u>Year 2 Money</u> <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 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> </ul> <p><i>End of unit check for Y2 Money to take place</i>  <i>Pre-Assessment of Y1 Multiplication and Division to take place</i></p>
	3	Mastering Number	<u>Year 1 Multiplication and Division</u> <ul style="list-style-type: none"> <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>
	4	Mastering Number	<u>Year 2 Multiplication and Division</u> <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> </ul>



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5	<i>Mastering Number</i>	<ul style="list-style-type: none"><li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one 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>
6	<i>Mastering Number</i>	
7	<b>Consolidation Week</b>  <i>Mastering Number</i>	<u>Consolidation Week</u> <ul style="list-style-type: none"><li>• Money</li><li>• Multiplication and Division</li></ul>



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Half Term 4 (Spring 2)	Week	Mental Maths	Maths Curriculum
	1	<i>Mastering Number</i>	<u>Year 2 Multiplication and Division</u> <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><i>End of unit check for Y2 Multiplication and Division to take place</i>  <i>Pre-Assessment of Y1 Measurement to take place</i></p>
	2	<i>Mastering Number</i>	<u>Year 1 Measurement – Length and Height</u> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for:               <ul style="list-style-type: none"> <li>Lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</li> </ul> </li> <li>Measure and begin to record the following:               <ul style="list-style-type: none"> <li>Lengths and heights</li> </ul> </li> </ul>
	3	<i>Mastering Number</i>	<u>Year 2 Measurement – Length and Height</u> <ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers, scales</li> <li>Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul> <p><i>End of unit check for Y2 Measurement (Length and Height) to take place</i>  <i>Pre-Assessment of Y1 Measurement (Mass and Capacity) to take place</i></p>
	4	<b>Assessment Week</b>  <i>Mastering Number</i>	<u>Year 1 Measurement – Mass, Capacity and Temperature</u> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for:               <ul style="list-style-type: none"> <li>Mass/weight [for example, heavy/light, heavier than, lighter than]</li> <li>Capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</li> </ul> </li> <li>Measure and begin to record the following:               <ul style="list-style-type: none"> <li>Mass/weight</li> <li>Capacity and volume</li> </ul> </li> </ul>



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**Consolidation Week**

*Mastering Number*

Consolidation Week

- Multiplication and Division
- Measurement (Length and Height)
- Measurement (Mass, Capacity and Temperature, Y1 Objectives)





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Half Term 5 (Summer 1)	Week	Mental Maths	Maths Curriculum
	1	<i>Mastering Number</i>	<u>Year 2 Measurement - Mass, Capacity and Temperature</u> <ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels</li> <li>Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> </ul> <p><i>End of unit check for Y2 Measurement (Mass, Capacity and Temperature) to take place</i></p>
	2	<i>Mastering Number</i>	<u>Year 2 Statistics</u> <ul style="list-style-type: none"> <li>Interpret and construct simple pictograms, tally charts, block diagrams and simple 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> <p><i>End of unit check for Y2 Statistics to take place</i></p>
	3	<i>Mastering Number</i>	<p><i>Pre-Assessment of Y1 Fractions to take place</i></p> <u>Year 1 Fractions</u> <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>
	4	<i>Mastering Number</i>	<u>Year 2 Fractions</u> <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>



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5	<p><b>KS1 SATs Week</b></p> <p><i>Mastering Number</i></p>	
6	<p><i>Mastering Number</i></p>	<p><u>Consolidation Week</u></p> <ul style="list-style-type: none"><li>• Measurement (Mass, Capacity and Temperature)</li><li>• Statistics</li><li>• Fractions</li></ul> <p><i>End of unit check for Y2 Fractions to take place</i></p> <p><i>Pre-Assessment of Y1 Position and Direction to take place</i></p>



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Half Term 6 (Summer 2)	Week	Mental Maths	Maths Curriculum
	1	<i>Mastering Number</i>	<u>Year 1 Position and Direction</u> <ul style="list-style-type: none"> <li>Describe position, direction and movement, including whole, half, quarter and three-quarter turns.</li> </ul> <u>Year 2 Position and Direction</u> <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 anticlockwise).</li> </ul>
	2	<i>Mastering Number</i>	   <i>End of unit check for Y2 Position and Direction to take place</i> <i>Pre-Assessment of Y1 Time to take place</i>
	3	<i>Mastering Number</i>	<u>Year 1 Time</u> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: time [for example, quicker, slower, earlier, later]</li> <li>Measure and begin to record the following: time (hours, minutes, seconds)</li> <li>Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li> <li>Recognise and use language relating to dates, including days of the week, weeks, months and years</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> </ul>
	4	<i>Mastering Number</i>	   <u>Year 2 Time</u> <ul style="list-style-type: none"> <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>
	5	<i>Mastering Number</i>	



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	6	<i>Mastering Number</i>	<u>Consolidation Week</u> <ul style="list-style-type: none"><li>• Position and Direction</li><li>• Time</li></ul> <p><i>End of unit check for Y2 Time to take place</i></p>
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