



# Mathematics Curriculum Map: Year 4 Mastery

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
<b>Autumn</b>	<b>Reasoning with large numbers</b>		<b>Addition and subtraction</b>			<b>Multiplication and division</b>			<b>Discrete and continuous data</b>		
	<ul style="list-style-type: none"> <li>• 4-digit place value. Read, write, represent, order and compare</li> <li>• Find 10, 100 or 1000 more or less</li> <li>• Round numbers to the nearest 10, 100 or 1000</li> </ul>		<ul style="list-style-type: none"> <li>• Select appropriate strategies to add and subtract</li> <li>• Illustrate and explain appropriate addition and subtraction strategies including column method with regrouping</li> </ul>			<ul style="list-style-type: none"> <li>• Identify and explore patterns in multiplication tables including 7 and 9</li> <li>• Distributive property including multiplying three 1-digit numbers</li> <li>• Mental multiplication and division strategies using place value and known and derived facts</li> <li>• Short multiplication</li> </ul>			<ul style="list-style-type: none"> <li>• Read, interpret and construct pictograms, bar charts and time graphs</li> <li>• Compare tables, pictograms and bar charts</li> </ul>		

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<b>Spring</b>	<b>Calculating with multiplication and division</b>		<b>Fractions</b>			<b>Time</b>		<b>Decimals</b>		<b>Area and perimeter</b>	
	<ul style="list-style-type: none"> <li>• Division using partitioning</li> <li>• Short division</li> </ul>		<ul style="list-style-type: none"> <li>• Explore different interpretations and representations of fractions</li> <li>• Equivalent fractions</li> <li>• Represent fractions greater than one as mixed number and improper fractions</li> <li>• Add and subtract fractions with the same denominator including fractions greater than one</li> </ul>			<ul style="list-style-type: none"> <li>• Analogue to digital, 12-hour and 24-hour</li> <li>• Convert between units of time</li> </ul>		<ul style="list-style-type: none"> <li>• Decimal equivalents to tenths, quarters and halves</li> <li>• Compare and order numbers with same number of decimal places</li> <li>• Multiply and divide by 10 and 100 including decimals</li> </ul>		<ul style="list-style-type: none"> <li>• Perimeter of rectangles and rectilinear shapes</li> <li>• Area of rectangles and rectilinear shapes</li> <li>• Investigate area and perimeter</li> </ul>	

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<b>Summer</b>	<b>Solving measures and money problems</b>			<b>Shape and symmetry</b>		<b>Position and direction</b>		<b>Reasoning with pattern and sequences</b>		<b>3-D shape</b>
	<ul style="list-style-type: none"> <li>• Convert units of measure</li> <li>• Select appropriate units to measure</li> <li>• Use strategies to investigate problems: trial and improvement, organising using lists and tables, working systematically</li> </ul>			<ul style="list-style-type: none"> <li>• Classify, compare and order angles</li> <li>• Compare and classify 2-D shapes</li> <li>• Identify lines of symmetry</li> </ul>		<ul style="list-style-type: none"> <li>• Describe and plot using coordinates</li> <li>• Describe translations</li> </ul>		<ul style="list-style-type: none"> <li>• Roman numerals up to 100</li> <li>• Place value of other number systems</li> <li>• Number sequences and patterns</li> </ul>		<ul style="list-style-type: none"> <li>• Use understanding of 3-D shapes</li> <li>• Identify 3-D shapes from 2-D representations</li> </ul>



The Dimensions of Depth - Conceptual Understanding, Language and Communication and Mathematical Thinking - underpin all aspects of the curriculum; problem solving is at the heart and is embedded in all units.