

Year 6 Maths Annual Overview 2022-2023

Autumn 1 - 8 weeks	Autumn 2 - 8 weeks	Spring 1 - 7 weeks	Spring 2 - 5 weeks	Summer 1 - 6 weeks	Summer 2 - 6 weeks
<p><b>Place Value - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Numbers to 1,000,000 and 10,000,000</li> <li>Powers of 10</li> <li>Compare and order integers</li> <li>Rounding integers</li> <li>Negative Numbers</li> </ul> <p><b>Addition, subtraction, multiplication and division - 5 weeks</b></p> <ul style="list-style-type: none"> <li>Add and subtract integers</li> <li>Common factors and multiples</li> <li>Rules of divisibility</li> <li>Primes to 100</li> <li>Square and cubed numbers</li> <li>Multiply 4 digit by 2 digit number</li> <li>Solve problems with multiplication</li> <li>Short division</li> <li>Division using factors</li> <li>Long division</li> <li>Solve problems using division</li> <li>Solve multistep problems</li> </ul>	<p><b>Fractions - 1 week (continued from last half term)</b></p> <p><b>Fractions - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Multiplying fractions by integers and fractions</li> <li>Dividing fractions by integers</li> <li>Mixed questions with fractions</li> <li>Fractions of an amount</li> </ul> <p><b>Converting Units - 1 week</b></p> <ul style="list-style-type: none"> <li>Converting and calculating metric measures</li> <li>Miles and kilometres</li> <li>Imperial measures</li> </ul> <p><b>Consolidation - 4 weeks</b></p>	<p><b>Ratio - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Use ratio language</li> <li>Ratio and fractions</li> <li>Scale drawing</li> <li>Use scale factors</li> <li>Similar shapes</li> <li>Ratio problems</li> <li>Proportion</li> </ul> <p><b>Algebra - 2 weeks</b></p> <ul style="list-style-type: none"> <li>1 and 2 step function machines</li> <li>Substitutions</li> <li>Formulae</li> <li>Form equations</li> <li>Solve 1 and 2 step equations</li> <li>Find pairs of values</li> <li>Solve problems with two unknowns</li> </ul> <p><b>Decimals - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Place value within 1</li> <li>Place value - integers and decimals</li> <li>Round decimals</li> <li>Add and subtract decimals Multiply by 10, 100 and 1,000</li> <li>Divide by 10, 100 and 1,000</li> <li>Multiply decimals by integers</li> <li>Divide decimals by integers</li> </ul>	<p><b>Fractions, decimals and percentages - 1 week (continued from last half term)</b></p> <p><b>Area, perimeter and volume - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Shapes - same area</li> <li>Area and perimeter</li> <li>Area of a triangle - counting squares</li> <li>Area of a right-angled triangle</li> <li>Area of any triangle</li> <li>Area of a parallelogram</li> <li>Volume - counting cubes</li> <li>Volume of a cuboid</li> </ul> <p><b>Statistics - 2 weeks</b></p> <ul style="list-style-type: none"> <li>Line graphs</li> <li>Dual bar charts</li> <li>Read and interpret pie charts</li> <li>Pie charts with percentages</li> <li>Draw pie charts</li> <li>The mean</li> </ul>	<p><b>Shape - 2 weeks</b></p> <p><b>Position and direction - 1 week</b></p> <p><b>SAT's</b></p>	<p><b>White Rose Investigations</b></p> <ul style="list-style-type: none"> <li>WRM Tours</li> <li></li> <li>The bakery</li> </ul>

<ul style="list-style-type: none"> <li>• Order of operations</li> <li>• Mental calculations and estimation</li> <li>• Reason from known facts</li> </ul> <p><b>Fractions - 1 week</b></p> <ul style="list-style-type: none"> <li>• Equivalent fractions, simplifying and on a number line</li> <li>• Comparing and ordering fractions</li> <li>• Adding and subtracting fractions</li> <li>• Add mixed numbers</li> <li>• Subtract mixed numbers</li> <li>• Multi-step problems</li> </ul>		<p><b>Fractions, decimals and percentages - 1 week</b></p> <ul style="list-style-type: none"> <li>• Decimal and fraction equivalents</li> <li>• Fractions as division</li> <li>• Understand percentages</li> <li>• Fractions to percentages</li> <li>• Equivalent fractions, decimals and percentages</li> <li>• Order fractions, decimals and percentages</li> <li>• Percentage of an amount - one step, multi-step, missing values</li> </ul>			
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