

## Year 6 –Yearly Overview -Autumn

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	Week 1 –2 (BLOCK 1)	Week 3-6 (BLOCK 2)	Week 7 –10 (BLOCK 3)	Week 11 (BLOCK 4)	Week 12
	Number: Place Value	Number: Addition, Subtraction, multiplication and Division	Number: Fractions	Geometry: Position and Direction	Consolidation
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>•Numbers to ten million.</li> <li>•Compare an order any number.</li> <li>•Round any numbers.</li> <li>•Negative numbers.</li> </ul>	<ul style="list-style-type: none"> <li>•Add and subtract whole numbers.</li> <li>•Multiply up to 4 digit by 1 digit number.</li> <li>•Short division.</li> <li>•Division using factors.</li> <li>•Long division (1).</li> <li>•Long division (2).</li> <li>•Long division (3).</li> <li>•Long division (4).</li> <li>•Common factors.</li> <li>•Common multiples.</li> <li>•Primes.</li> <li>•Squares and cubes.</li> <li>•Order of operations.</li> <li>•Mental calculations and estimation.</li> <li>•Reasoning from known facts.</li> </ul>	<ul style="list-style-type: none"> <li>•Simplify fractions.</li> <li>•Fractions on a number line.</li> <li>•Compare &amp; order (denominator).</li> <li>•Compare &amp; order (numerator).</li> <li>•Add &amp; subtract fractions (1).</li> <li>•Add &amp; subtract fractions (2).</li> <li>•Adding fractions.</li> <li>•Subtracting fractions.</li> <li>•Mixed addition and subtraction.</li> <li>•Multiply fractions by integers.</li> <li>•Multiply fractions by fractions.</li> <li>•Divide fractions by integers (1).</li> <li>•Divide fractions by integers (2).</li> <li>•Four rules with fractions.</li> <li>•Fraction of an amount.</li> <li>•Finding the whole.</li> </ul>	<ul style="list-style-type: none"> <li>•Coordinates in the first quadrant.</li> <li>•Coordinate in four quadrants.</li> <li>•Translations.</li> <li>•Reflections.</li> </ul>	
Objectives to be Included from Previous year			Subtract mixed numbers. Subtract breaking the whole. Subtract 2 mixed numbers. Multiply unit fractions by an integer. Multiply non unit fractions by an integer. Multiply mixed numbers by integers. Fraction of an amount. Using fractions as operators.	Position in the first quadrant. Reflection. Reflection with coordinates. Translation. Translation with coordinates.	
Ready to progress DFE	<p><b>6NPV–1</b> Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000).</p> <p><b>6NPV–2</b> Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and nonstandard partitioning</p> <p><b>6NPV–3</b> Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.</p>	<p><b>6NPV–4</b> Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts</p> <p><b>6AS/MD–2</b> Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding.</p>	<p><b>6F–1</b> Recognise when fractions can be simplified, and use common factors to simplify fractions.</p> <p><b>6F–2</b> Express fractions in a common denomination and use this to compare fractions that are similar in value.</p> <p><b>6F–2</b> Express fractions in a common denomination and use this to compare fractions that are similar in value.</p>		

## Year 6 –Yearly Overview -Spring

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	Week 1-2 (Block 1)	Week 3-4 (Block 2)	Week 5-6 (Block 3)	Week 7 (Block 4)	Week 8-9 (Block 5)	Week 10-11 (Block 6)	Week 12
	Number: Decimals	Number: Percentages	Number: Algebra	Measurement: Converting Units	Measurement: Perimeter, Area & Volume.	Number: Ratio	Consolidation
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>•Three decimal places.</li> <li>•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> <li>• Division to solve problems.</li> <li>• Decimals as fractions.</li> <li>•Fractions to decimals (1).</li> <li>•Fractions to decimals (2).</li> </ul>	<ul style="list-style-type: none"> <li>•Fractions to percentages.</li> <li>•Equivalent FDP.</li> <li>•Percentage of an amount (1).</li> <li>•Percentage of an amount (2).</li> <li>•Percentages missing values.</li> <li>•Percentage increase and decrease.</li> <li>•Order FDP.</li> </ul>	<ul style="list-style-type: none"> <li>•Find a rule one step.</li> <li>•Find a rule two step.</li> <li>•Use an algebraic rule.</li> <li>•Substitution.</li> <li>•Formulae.</li> <li>•Word problems.</li> <li>•Solve simple one step equations.</li> <li>•Solve two step equations.</li> <li>•Find pairs of values.</li> <li>•Enumerate possibilities.</li> </ul>	<ul style="list-style-type: none"> <li>•Metric measures.</li> <li>•Convert metric measures.</li> <li>•Calculate with metric measures.</li> <li>•Miles and kilometres.</li> <li>•Imperial measures.</li> </ul>	<ul style="list-style-type: none"> <li>•Shapes same area.</li> <li>•Area and perimeter.</li> <li>•Area of a triangle (1).</li> <li>•Area of a triangle (2).</li> <li>•Area of a triangle (3).</li> <li>•Area of a parallelogram.</li> <li>•Volume counting cubes.</li> <li>•Volume of a cuboid.</li> </ul>	<ul style="list-style-type: none"> <li>•Use ratio language.</li> <li>•Ratio and fractions.</li> <li>•Introducing the ratio symbol.</li> <li>•Calculating ratio.</li> <li>•Using scale factors.</li> <li>•Calculating scale factors.</li> <li>•Ratio and proportion problems.</li> </ul>	All

<p>Objectives to be Included from Previous year</p>	<p>Decimals up to 2 dp          Decimals as fractions          Understanding thousandths          Thousandths as decimals          Rounding decimals          Order and compare decimals          Understand percentages          Percentages as fractions and decimals          Equivalent fractions, decimals and percentages          Add decimals within 1          Subtracting decimals within 1          Complements to 1          Adding decimals - crossing the whole          Adding decimals with same number of decimal places          Subtracting decimals with the same number of decimal places          Adding numbers with different numbers of decimal places          Subtracting numbers with different numbers of decimal places          Adding and subtracting wholes and decimals          Decimal sequences          Multiplying decimals by 10,100,1000          Dividing decimals by 10,100,100</p>		<p>Kilograms and kilometres.          Milligrams and millilitres.          Metric units.          Imperial units.          Converting units of time.          Timetables.</p>	<p>What is volume?          Compare volume.          Estimate volume.          Estimate capacity.</p>		
<p>Ready to progress DFE</p>		<p><b>6AS/MD-4</b> Solve problems with 2 unknowns.</p>		<p><b>6G-1</b> Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.</p>	<p><b>6AS/MD-3</b> Solve problems involving ratio relationships.</p>	

## Year 6 –Yearly Overview -Summer

	Week 1 –2 (BLOCK 1)	Week 3 –5 (BLOCK 2)	Week 6-7 (Block 3)	Week 8-11 (Block 4)	Week 12
	Geometry: Properties of Shapes	Problem Solving	Statistics	Investigations	Consolidation
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>•Measure with a protractor.</li> <li>•Introduce angles.</li> <li>•Calculate angles.</li> <li>•Vertically opposite angles.</li> <li>•Angles in a triangle.</li> <li>•Angles in a triangle special cases.</li> <li>•Angles in a triangle missing angles.</li> <li>•Angles in special quadrilaterals.</li> <li>•Angles in regular polygons.</li> <li>•Draw shapes accurately.</li> <li>•Nets of 3D shapes.</li> </ul>	All	<ul style="list-style-type: none"> <li>•Read and interpret line graphs.</li> <li>•Draw line graphs.</li> <li>•Use line graphs to solve problems.</li> <li>•Circles.</li> <li>•Read and interpret pie charts.</li> <li>•Pie charts with percentages.</li> <li>•Draw pie charts.</li> <li>•The mean.</li> </ul>	All	All
Objectives to be Included from Previous year	Measuring angles in degrees. Measuring with a protractor (1). Measuring with a protractor (2). Drawing lines and angles accurately. Calculating angles on a straight line. Calculating angles around a point. Calculating lengths and angles in shapes. Regular and irregular polygons. Reasoning about 3D shapes.				
Ready to progress DFE	<b>6G–1</b> Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.				