

Preston Manor Lower School | Math Year 6 | Long Term Plan 2026-2027

Autumn Term													
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<u>Place Value</u> - Numbers to 10,000 - Numbers to 100,000 - Numbers to one million - Numbers to ten million	<u>Place Value</u> - Compare and order any number. - Round numbers to 10, 100, 1000 - Round any number - Negative numbers	<u>Four Operations</u> - Add whole numbers with more than 4 digits - Subtract whole numbers with more than 4 digits - Inverse operations (addition and subtraction)	<u>Four Operations</u> - Multi-step addition and subtraction problems - Add and subtract integers - Multiply 4-digits by 1-digit - Multiply 2-digits (area model) - Multiply 2-digits by 2 digits	<u>Four Operations</u> - Multiply 3-digits by 2-digit - Multiply 4-digits by 2-digit - Divide 4 digits by 1 digit - Divide with remainders - Short division - Division using factors	<u>Fractions</u> - Equivalent fractions & simplifying - Equivalent fractions on a number line. - Compare and order - Mixed addition and subtraction	<u>Fractions</u> - Multiply fractions with integers - Multiply fractions by fractions - Divide fractions by integers (1) - Divide fractions by integers (2)	<u>Fractions</u> - Four rules with fractions - Fraction of an amount - Fraction of an amount - find the whole	<u>Measure</u> - Metric measures - converting metric - Calculate with metric measures - Miles & kilometres - Imperial measures	<u>Measure – area, perimeter</u> - Shapes: same area - Area & perimeter - Area of a triangle (squares) - Area of triangle (right angled) - Area of any triangle	<u>Measure – Volume</u> - Volume – counting cubes - Volume of a cuboid	<u>Shape</u> - measure and classify angles - Calculate angles - vertically opposite angles - angles in a triangle - angles in a triangle	<u>Shape</u> - angles in a triangle: special cases - angles in a triangle: missing angles - angles in quadrilaterals - Angles in polygons - circles - Drawing shapes accurately - Nets of 3D shapes	<u>Consolidation of gaps from across the term.</u> <u>TBC</u>
Recapping/review/revisit				Recapping/review/revisit			Recapping/review/revisit			Recapping/review/revisit		Recapping/review/revisit	

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Spring Term											
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Ratio</u> - Using ratio language - Introduction to the ratio symbol - Ratio and fractions - Scale drawing	<u>Ratio</u> - Using scale factors - Similar shapes - Ratio problems - Proportion problems (Recipes)	<u>Algebra</u> - 1-step function machines - 2-step function machines - Form expressions - Substitution - Formulae - Form equations	<u>Algebra</u> - Solve 1-step equations - Solve 2-step equations Find pairs of values - Solve problems with two unknowns Practice SATS paper to be done Week 3	<u>Decimals</u> - Place value within 1 - Place value – integers and decimals - Round decimals - Add and subtract decimals	<u>Decimals</u> - Multiply by 10, 100, 1000 - Divide by 10, 100, 1000 - multiply decimals by integers - multiply and divide decimals in context	<u>Fractions, decimals & percentages</u> - decimal & fraction equivalents - fractions as division - understand percentages - fractions to percentages - equivalent fractions. Decimals and percentages,	<u>Fractions, decimals & percentages</u> - Order fractions, decimals & percentages - Percentages of an amount (1 step) - Percentages of an amount (multi step) - Percentages (missing values)	<u>Statistics</u> - line graphs - dual bar charts - Read and interpret pie charts - Pie charts with percentages - Draw pie charts - Mean	<u>Position and direction</u> - The first quadrant - read and plot points in all four quadrants - solve problems with coordinates - Translations - Reflections	<u>Addition/subtraction</u> - Add and subtract integers - common factors - common multiples - common multiples	<u>Multiplication/division</u> - common factors - Common multiples - Rules of divisibility - Square and cube numbers - multiply a 4-digit number by a 2-digit number
<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>			

Summer Term											
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Multiplication/division</u> -Long division with remainders -multi step problems involving multiplication and division.	<u>Recapping of a mixture of topics to prepare for SATS</u>	<u>SATS WEEK</u>	<u>Shape</u> Angles in quadrilaterals Angles in Polygons Draw shapes accurately Nets of 3D shapes	<u>Place Value</u> - Negative numbers (general weakness identified by upper school)	<u>White Rose themed project</u> Bakery project	<u>White Rose themed project</u> Tour project	<u>White Rose themed project</u> Futures project	<u>A range of consolidation based on gap analysis.</u> <u>TBC</u>			
<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>		<u>Recapping/review/revisit</u>	