

Long-Term Plan - Maths

Year: 6	Subject: Maths		Autumn Term (13 weeks 2 days)				Spring Term (9 weeks 4 days)				Summer Term (9 weeks 4 days)			
			Autumn 1 (7 weeks 4 days)		Autumn 2 (5 weeks 3 days)		Spring 1 (4 weeks 4 days)		Spring 2 (5 weeks)		Summer 1 (4 weeks 2 days)		Summer 2 (5 weeks 2 days)	
			A	B	A	B	A	B	A	B	A	B	A	B
			English National Curriculum aims	Number: number and place value	Number; Addition, subtraction, multiplication, division	Number: Fractions	Geometry: Position and direction	Number: Decimals	Number: Percentages Measurement : Converting units	Number: Algebra	Measurement : Area, perimeter and volume Numbe: Ratio	Statistics	Geometry: Shape	Consolidation
Number of small steps	9	24	21	4	11	7 + 5	10	9 + 8	8	14				
Description of Programme of Study	R-numbers to 10,000 R-numbers to 100,000 R-numbers to a million Numbers to 10 million Compare and order any numbers R-round numbers to 10, 100, 1000 Round any number Negative numbers (1) Negative numbers (2)	R-add whole numbers with more than 4-digits R-subtract whole numbers with more than 4-digits R-inverse operations R-multi-step addition and subtraction problems Add and subtract integers R-multiply 4-digits by 1-digit R-Multiply 2-digits by 2-digits R-Multiply 3-digits by 2-digits	R-equivalent fractions Simplify fractions R-improper fractions to mixed numbers R-Mixed numbers to improper fractions Fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract	The first quarter Four quadrants Translations Reflections	R-decimals up to 2 d.p R-understand thousandths Three decimal places Multiply 10, 100, 1000 Divide 10, 100, 1000 Multiply decimals by integers Divide decimals by integers Division to solve problems	R-understand percentages Fractions to percentages Equivalent FDP Order FDP Percentage of an amount (1) Percentage of an amount (2) Percentages - missing values Metric measures Convert metric measures	Find a rule - one step Find a rule - two step Forming expressions Substitution Formulae Forming equations Solve simple one-step equations Solve two-step equations Find pairs of values (1) Find pairs of values (2)	Shapes - same area Area and perimeter Area of a triangle (1) Area of a triangle (2) Area of a triangle (3) Area of a parallelogram R-what is volume? Volume - counting cubes Volume of a cuboid	Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts Pie charts with percentages Draw pie charts The mean	Measure with a protractor R-draw lines and angles accurately Introduce angles R-angles on a straight line R-angles around a point Calculate angles Vertically opposite angles Angles in a triangle				

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		<p>Multiply up to a 4-digit number by a 2-digit number</p> <p>R-divide 4-digits by 1-digit</p> <p>R-divide with remainders</p> <p>Short division</p> <p>Division using factors</p> <p>Long division (1)</p> <p>Long division (2)</p> <p>Long division (3)</p> <p>Long division (4)</p> <p>Common factors</p> <p>Common multiples</p> <p>Primes to 100</p> <p>Squares and cubes</p> <p>Order of operations</p> <p>Mental calculations and estimation</p> <p>Reason from known factors</p>	<p>fractions (1)</p> <p>Add and subtract fractions (2)</p> <p>R-add mixed numbers</p> <p>Add fractions</p> <p>R-subtract mixed numbers</p> <p>Subtract fractions</p> <p>Mixed addition and subtraction</p> <p>Multiply fractions by integers</p> <p>Multiply fractions by fractions</p> <p>Divide fractions by integers (1)</p> <p>Divide fractions by integers (2)</p> <p>Four rules with fractions</p> <p>Fraction of an amount</p> <p>Fraction of an amount - find the whole</p>		<p>Decimals as fractions</p> <p>Fractions to decimals (1)</p> <p>Fractions to decimals (2)</p>	<p>Calculate with metric measures</p> <p>Miles and kilometres</p> <p>Imperial kilometres</p>		<p>Use ratio language</p> <p>Ratio and fractions</p> <p>Introducing the ratio symbol</p> <p>Calculating ratio</p> <p>Use scale factors</p> <p>Calculating scale factors</p> <p>Ratio and proportion problems (1)</p> <p>Ratio and proportion problems (2)</p>	<p>Angles in a triangle - special cases</p> <p>Angles in a triangle - missing angles</p> <p>Angles in special quadrilaterals</p> <p>Angles in regular polygons</p> <p>Draw shapes accurately</p> <p>Draw nets of 3-D shapes</p>		
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Cross-Curricular Links and literature links	<u>Complementary Texts:</u> 1.The Maths Books: Big Ideas Simply Explained <i>DK</i>
Formative Assessment	White Rose Assessment at the end of each block
Enrichment	TBD

