

Long-Term Plan - Maths

Year: 5	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 and subtraction Number: multiplication and division 1	Statistics Measurement: Perimeter and Area	Number: multiplication and division 2	Number: Fractions 1		Number: Decimals and percentages	Number: Decimals	Geometry: Properties of shape	Measurement: Converting Units	Measurement: Volume	Geometry: position and direction Consolidation		
Number of small steps	14	9 + 12	8 + 7	10	8	16	10	13	12	7	4	9		
Description of Programme of Study	R-1000s, 100s, 10s and 1s Numbers to 10,000 R-rounding to the nearest 10 R-rounding to the nearest 100 Round to nearest 10, 100 and 1,000 Number to 100,000 Compare and order numbers to 100,000 Round numbers within 100,000	R-add two 4-digit numbers (one exchange) R-add two 4-digit numbers (more than one exchange) Add whole numbers with more than 4 digits (column method) R-Subtract two 4-digit numbers (one exchange) R-Subtract two 4-digit numbers (more than one exchange) Subtract whole numbers with more than 4 digits (column method)	R-comparison, sum and difference R-introduce line graphs Read and interpret line graphs Draw line graphs Use line graphs to solve problems Read and interpret tables Two-way tables Timetables	R-multiply 2 and 3-digits by 1-digit Multiply 4-digits by 1-digit Multiply 2-digits (area model) Multiply 2-digits by 2-digits Multiply 3-digits by 2-digits Multiply 4-digits by 2-digits R-divide 2-digits by 1-digit R-divide 3-digits by 1-digit	R-equivalent fractions Equivalent fractions R-fractions greater than 1 Improper fractions to mixed numbers Mixed numbers to improper fractions Number sequences Compare and order fractions less than 1 Compare and order fractions greater than 1	Add and subtract fractions Add fractions within 1 Add 3 or more fractions Add fractions Add mixed numbers Subtract fractions Subtract mixed numbers Subtraction - breaking the whole	Decimals up to 2 d.p. Decimals as fractions (1) Decimals as fractions (2) Understand thousandths Thousands as decimals Rounding decimals Order and compare decimals Understand percentages Percentages as fractions and decimals	Adding decimals within 1 Subtracting decimals within 1 Complements to 1 Adding decimals – crossing the whole Adding decimals with the same number of decimal places Subtracting decimals with the same number of	R-identify angles R-compare and order angles 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	R-kilometres Kilograms and kilometres Milligrams and millilitres Metric units Imperial units Converting units of time Timetables	What is volume? Compare volume Estimate volume Estimate capacity	R-describe position R-draw on a grid Position in the first quadrant Translation Translation with coordinates R-line of symmetry R-complete a symmetric figure Reflection Reflection with coordinates		

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	<p>Numbers to a million</p> <p>Counting in 10s, 100s, 1,000s, 10,000s, and 100,000s</p> <p>Compare and order numbers to one million</p> <p>Round numbers to one million</p> <p>Negative numbers</p> <p>Roman numerals</p>	<p>Round to estimate and approximate</p> <p>Inverse operations (addition and subtraction)</p> <p>Multi-step addition and subtraction problems</p> <p>_____</p> <p>Multiples</p> <p>Factors</p> <p>Common factors</p> <p>Prime numbers (1)</p> <p>Prime numbers (2)</p> <p>Square numbers</p> <p>Cube numbers</p> <p>R-multiply by 10 and 100</p> <p>Multiply by 10, 100 and 1,000</p> <p>R-divide by 10 and 100</p> <p>Divide by 10, 100 and 1,000</p> <p>Multiples of 10, 100 and 1,000</p>	<p>Measure perimeter</p> <p>R-perimeter on a grid</p> <p>R-perimeter of rectangles and rectilinear shapes</p> <p>Calculate perimeter</p> <p>Area of rectangles</p> <p>Area of compound shapes</p> <p>Area of irregular shapes</p>	<p>Divide 4-digits by 1-digit</p> <p>Divide with remainders</p>		<p>Subtract 2 mixed numbers</p> <p>Multiply unit fractions by an integer</p> <p>Multiply non-unit fractions by an integer</p> <p>Multiply mixed numbers by integers</p> <p>R-calculate fractions of a quantity</p> <p>Fraction of an amount</p> <p>Using fractions as operators</p> <p>Fraction problem solving</p>	<p>Equivalent F.D.P</p>	<p>decimal places</p> <p>Adding decimals with a different number of decimal places</p> <p>Subtracting decimals with a different number of decimal places</p> <p>Adding and subtracting decimals problem solving</p> <p>Adding and subtracting wholes and decimals</p> <p>Decimal sequences</p> <p>Multiplying decimals by 10, 100 and 1,000</p> <p>Dividing decimals by 10, 100 and 1,000</p>	<p>Calculating angles around a point</p> <p>R-triangles and quadrilaterals</p> <p>Calculating lengths and angles in shapes</p> <p>Regular and irregular polygons</p> <p>Reasoning about 3D shapes</p>			
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Cross-Curricular Links and literature links													
Formative Assessment	White Rose Assessment at the end of each block												
Enrichment													

	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
Autumn	Number: Place Value		Number: Addition and Subtraction		Number: Multiplication and Division 1			Statistics	Measurement: Area and Perimeter	Number: Multiplication and Division 2				
Spring	Number: Fractions					Number: Decimals and Percentages		Number: Decimals						
Summer	Geometry: Properties of Shape				Measurement: Converting Units	Measurement: Volume	Geometry: Position and Direction		Consolidation / Investigations					