



Long Term Curriculum Overview 2019-20

Subject: Mathematics

Year: 6

'We create a nurturing environment which both inspires and challenges our whole school family, equipping our children to have high aspirations to: 'Dream big, love God and live well.'

	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	Week 15
Autumn	Number: Place Value		Number: Addition & Subtraction Algebra		Measurement Area and Volume		Statistics	Number: Place Value	Number: Multiplication & Division Ratio & Proportion		Number: Fractions Ratio & Proportion		Geometry: Position & Direction	Geometry: Properties of Shape	
Spring	Measurement: Converting units Algebra		Statistics		Number: Decimals Algebra		Geometry: Properties of Shape	Geometry: Position & Direction	Number: Percentages Ratio & Proportion		Number: Algebra Ratio & Proportion				
Summer	Number: Addition & Subtraction Revision & Targeting Needs		Geometry: Properties of Shape Revision & Targeting Needs (Week 4 SATS wk)		Statistics	Geometry: Position & Direction	Number: Multiplication & Division Ratio & Proportion		Number: Fractions Ratio & Proportion		Measurement Algebra		Geometry: Position & Direction		



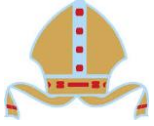
Termly Curriculum Overview 2019-20: Autumn

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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	Week 15	
Number: Place Value . Numbers to 10 million . Compare and order any number . Round any numbers		Number: Addition & Subtraction <u>Algebra</u> . Add and subtract whole numbers		Measurement: Perimeter, Area and Volume <u>Algebra</u> . Shapes – same area . Area and Perimeter . Area of a triangle (1) . Area of a triangle (2) . Area of a parallelogram . Volume – counting cubes . Volume of a cuboid		Statistics . Read and interpret line graphs . Draw line graphs . Use line graphs to solve problems	Number: Place Value . Negative numbers	Number: Multiplication & Division <u>Ratio & Proportion</u> . Multiply up to 4-digit by 2-digit number . Short division . Division using factors . Long Division (1) . Long Division (2) . Common factors . Common multiples . Primes . Squares and Cubes . Order of operations . mental calculations and estimation . Reasoning from known facts			Number: Fractions <u>Ratio & Proportion</u> . Simplify fractions . Fractions on a number line . Compare and order (denominator) . Compare and order (numerator) . Add & Subtract fractions (1) . Add & Subtract fractions (2) . Adding fractions . Subtracting fractions . Mixed addition and subtraction . Multiply fractions by integers . Multiply fractions by fractions . Divide fractions by integers (1) . Divide fractions by integers (2) . Four rules with fractions . Fraction of an amount . Finding the whole		Geometry: Position & Direction . Co-ordinates in the first quadrant . Coordinates in four quadrants	Geometry: Properties of Shape . Measure with a protractor . Introduce angles . Calculate angles . Vertically opposite angles . Angles in a triangle	



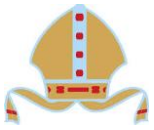
Termly Curriculum Overview 2019-20: Spring

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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Measurement: Converting units Algebra <ul style="list-style-type: none"> . Metric measures . Convert metric measures . Calculate with metric measures . Miles and kilometres . Imperial measures 		Statistics <ul style="list-style-type: none"> . Circles . Read and interpret pie charts . Pie charts with percentages . Draw pie charts 		Number: Decimals Algebra <ul style="list-style-type: none"> . Three decimal places . Multiply by 10, 100 and 1,000 . Divide by 10, 100 and 1,000 . Multiply decimals by integers . Divide decimals by integers . Division to solve problems . Decimals as fractions . Fractions to decimals (1) . Fractions to decimals (2) 		Geometry: Properties of Shape <ul style="list-style-type: none"> Angles in a triangle – special cases . Angles in a triangle – missing angles . Angles in special quadrilaterals . Angles in regular polygons 		Geometry: Position & Direction <ul style="list-style-type: none"> . Translations . Reflections 		Number: Percentages Ratio & Proportion <ul style="list-style-type: none"> . Fractions to percentages . Equivalent FDP . Percentage of an amount (1) . Percentage of an amount (2) . Percentages – missing values . Percentage increase and decrease . Order FDP 		Number: Algebra Ratio & Proportion <ul style="list-style-type: none"> . Find a rule – one step . Find a rule – two step . Use an algebraic rule . Substitution . Formulae . Word problems 	



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<u>Number: Addition & Subtraction</u> Consolidation and application through problem solving and reasoning		<u>Geometry: Properties of Shape</u> Draw shapes accurately . Nets of 3D shapes		<u>Statistics</u> . The mean . Consolidation and application of reading and interpreting pie charts and working out percentages.	<u>Geometry: Position & Direction</u> . Consolidation and application through problem solving and reasoning.	<u>Number: Multiplication & Division</u> <u>Ratio & Proportion</u> . Multiply up to 4-digit by 2-digit number . Long Division (3) . Long Division (4) . Consolidation and application through problem solving and reasoning.		<u>Number: Fractions</u> <u>Ratio & Proportion</u> . Use ratio language . Ratio and fractions . Introducing the ratio symbol . Calculating ratio . Using scale factors . Calculating scale factors . Ratio and proportion problems		<u>Measurement</u> <u>Algebra</u> . Solve simple one step equations . Solve two step equations . Find pairs of values . Enumerate possibilities		<u>Geometry: Position & Direction</u> . Consolidation and application through problem solving and reasoning.