



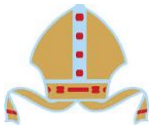
Long Term Curriculum Overview 2019-20

Subject: Mathematics

Year: 5

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



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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 . Number to 10,000 . Roman numerals to 1,000 . Round to the nearest 10, 100 and 1,000 . Number to 100,000 . Numbers to a million . Counting in 10s, 100s, 1,000s, 10,000s and 100,000s		Number: Addition & Subtraction Algebra . Add whole numbers with more than 4-digits (column method) . Subtract whole numbers with more than 4-digits (column method) . Round to estimate and approximate		Measurement Algebra . Measure perimeter . Calculate perimeter . Area of rectangles . Area of compound shapes . Area of irregular shapes		Statistics . Read and interpret line graphs . Draw line graphs . Use line graphs to solve problems . Read and interpret tables		Number: Place Value . Compare and order numbers to a million . Round numbers to a million . Negative numbers		Number: Multiplication & Division Ratio & Proportion . Multiples . Factors . Common factors . Prime Numbers . Square Numbers . Cube numbers		Number: Fractions Ratio & Proportion . Equivalent fractions . 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 . Subtract – breaking the whole . Subtract 2 mixed numbers		Geometry: Position & Direction . Position in the first quadrant . Reflection with co-ordinates		Geometry: Properties of Shape . Measuring angles in degrees . Measuring with a protractor (1) . Measuring with a protractor (2) . Drawing lines and angles accurately	



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Measurement Algebra <ul style="list-style-type: none"> . Kilograms and kilometres . Milligrams and millilitres . Metric units . Imperial units . Converting units of time . Timetables 		Statistics <ul style="list-style-type: none"> . Two way tables . Timetables 		Number: Addition & Subtraction Algebra <ul style="list-style-type: none"> . Inverse operations (addition and subtraction) . Multi step addition and subtraction problems 		Geometry: Properties of Shape <ul style="list-style-type: none"> . Calculating angles on a straight line . Calculating angles around a point . Calculating lengths and angles in shapes . 		Geometry: Position & Direction <ul style="list-style-type: none"> . Translation . Translation with coordinates 		Number: Multiplication & Division Ratio & Proportion <ul style="list-style-type: none"> . Multiplying by 10,100 and 1,000 . Dividing by 10, 100 and 1,000 . Multiples of 10, 100 and 1,000 . 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 . Divide 4-digits by 1-digit . Divide with remainders 		Number: Fractions Ratio & Proportion <ul style="list-style-type: none"> . Add and subtract fractions . Add fractions within 1 . Add 3 or more fractions . Add fractions . Add mixed numbers . Subtract fractions . Subtract mixed numbers . Subtract – breaking the whole . Subtract 2 mixed numbers 	



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Number: Decimals and Percentages <ul style="list-style-type: none"> . Decimals up to 2d.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 . Equivalent F.D.P 		Geometry: Properties of Shape <ul style="list-style-type: none"> . Regular and irregular polygons . Reasoning about 3D shapes 		Statistics Consolidation and application through problem solving and reasoning.	Geometry: Position & Direction Consolidation and application through problem solving and reasoning.	Number: Decimals Ratio & Proportion <ul style="list-style-type: none"> . 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 . Adding decimals with a different number of decimal places . Subtracting decimals with a different number of decimal places . Adding and subtracting whole and decimals . Decimal sequences . Multiplying decimals by 10, 100 and 1,000 . Dividing decimals by 10, 100 and 1,000 		Number: Fractions Ratio & Proportion <ul style="list-style-type: none"> . 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 operations 		Measurement Algebra <ul style="list-style-type: none"> . What is volume? . Compare volume . Estimate volume . Estimate capacity 		Geometry: Position & Direction Consolidation and application through problem solving and reasoning.