

“As unique individuals, we do our best at work and play for the love of God and others.”



7 Year Subject Overview for Maths

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year Rec	<p>Number</p> <p>Match and sort Compare amounts Representing 1, 2 & 3 Comparing 1, 2 & 3 Composition of 1, 2 & 3 Representing numbers to 5 One more and less</p> <p>Measure, Shape and Spatial Thinking</p> <p>Compare size, mass and capacity Exploring pattern Circles and triangles Positional language Shapes with 4 sides Time</p>		<p>Number</p> <p>Introducing zero Comparing number to 5 Composition of 4& 5 6, 7 & 8 Making pairs Combining 2 groups 9 & 10 Comparing numbers to 10 Bonds to 10</p> <p>Measure, Shape and Spatial Thinking</p> <p>Compare mass Compare capacity (2) Length and height Time 3d shape Pattern (2)</p>		<p>Number</p> <p>Building numbers beyond 10 Counting patterns beyond 10 Adding more Taking away Doubling Sharing and grouping Even and odd Deepening understanding patterns and relationships</p> <p>Spatial reasoning</p> <p>Spatial reasoning (1) Match, rotate, manipulate Spatial reasoning (2) Compose and decompose Spatial reasoning (3) Visualise and build Spatial reasoning (4) Mapping</p>	
Year 1	<p>Place value (within 10)</p> <p>Count objects Represent objects Count, read and write forwards from any number 0 to 10 Count, read and write backwards from any number 0 to 1- Count one more Count one less One-to-one correspondence to start to compare groups</p>	<p>Addition and Subtraction (within 10)</p> <p>Subtraction – taking away, how many left? Crossing out Subtraction – taking away, how many left? Introducing the subtraction symbol Subtraction – finding a part, breaking apart Fact families – the 8 facts Subtraction – counting back</p>	<p>Addition and Subtraction (within 20)</p> <p>Add by counting on Find & make number bonds Add by making 10 Subtraction – Not crossing 10 Subtraction – Crossing 10 (1) Subtraction – Crossing 10 (2) Related facts Compare number sentences</p>	<p>Place value (within 50 – Multiples of 2,5 and 10 to be included)</p> <p>Count in 2s Count in 5s</p> <p>Length & Height</p> <p>Compare lengths and heights Measure length (1) Measure length (2)</p> <p>Weight & Volume</p> <p>Introduce weight and mass Measure mass</p>	<p>Multiplication and Division (reinforce multiples of 2, 5 and 10 to be included)</p> <p>Count in 10s Make equal groups Add equal groups Make arrays Make doubles Make equal groups - grouping Make equal groups – sharing</p> <p>Fractions</p>	<p>Place value (within 100)</p> <p>Counting to 100 Partitioning numbers Comparing numbers (1) Comparing numbers (2) Ordering numbers One more, one less</p> <p>Money</p> <p>Recognising coins Recognising notes Counting in coins</p> <p>Time</p> <p>Before and after</p>

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	<p>Compare groups using language such as equal, more/greater, less/fewer Introduce <, > and = symbols Compare numbers Order groups of objects Order numbers Ordinal numbers (1st, 2nd, 3rd...) The number line</p> <p>Addition and Subtraction (within 10) Part-whole model Addition symbol Fact families – addition facts Find number bonds for numbers within 10 Systematic methods for number bonds within 10 Number bonds to 10 Compare number bonds Addition – adding together Addition – adding more Finding a part</p>	<p>Shape Recognise and name 3-D shapes Sort 3-D shapes Recognise and name 2-D shapes Sort 2-D shapes Patterns with 3-D and 2-D shapes</p> <p>Place value (within 20) Count forwards and backwards and write numbers to 20 in numerals and words Numbers from 11 to 20 Tens and ones Count one more and one less Compare groups of objects Compare numbers Order groups of objects Order numbers</p> <p>Consolidation</p>	<p>Place value (within 50 – Multiples of 2,5 and 10 to be included) Numbers to 50 Tens and ones Represent numbers to 50 One more one less Compare objects within 50 Compare numbers within 50 Order numbers within 50 Count in 2s Count in 5s</p>	<p>Compare mass Introduce capacity and volume Measure capacity Compare capacity</p> <p>Consolidation</p>	<p>Find a half (1) Find a half (2) Find a quarter (1) Find a quarter (2)</p> <p>Position & Direction Describe turns Describe Position (1) Describe Position (2)</p>	<p>Dates Time to the hour Time to the half hour Writing time Comparing time</p> <p>Consolidation</p>
Year 2	<p>Place Value Count objects to 100 and read and write numbers in numerals in words Represent numbers to 100 Tens and ones with a part-whole model Tens and ones using addition</p>	<p>Addition and Subtraction Add two 2-digit numbers – not crossing ten –add ones and add tens Subtract a 2-digit number from a 2-digit number – not crossing ten Subtract a 2-digit number from a 2-digit number –</p>	<p>Multiplication and Division Make equal groups – sharing Make equal groups – grouping Divide by 2 Odd & even numbers Divide by 5</p>	<p>Properties of Shape Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry Sort 2-D shapes</p>	<p>Position and Direction Describing movement Describing turns Describing movement and turns Making patterns with shapes</p>	<p>Time Hours and days Find durations of time Compare durations of time</p> <p>Mass, Capacity and Temperature Compare mass Measure mass in grams</p>

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	<p>Use a place value chart Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s</p> <p><u>Addition and Subtraction</u> Fact families – addition and subtraction bonds to 20 Check calculations Compare number sentences Related facts Bonds to 100 (tens) Add and subtract 1s 10 more and 10 less Add a 2-digit and 1-digit number – crossing 10 Subtract a 1-digit number from a 2-digit number crossing ten</p>	<p>crossing ten – subtract ones and tens Bonds to 100 (tens and ones) Add three 1-digit numbers</p> <p><u>Money</u> Count money – pence Count money – pounds (notes and coins) Select money Make the same amount Compare money Find the total Find the difference Find change Two-step problems</p> <p><u>Multiplication and Division</u> Recognise equal groups Make equal groups Add equal groups Multiplication sentences using the x symbol Multiplication sentences from pictures Use arrays 2 times-table 5 times-table 10 times-table</p>	<p>Divide by 10 Statistics – 2 weeks</p> <p><u>Properties of Shape</u> Make tally charts Draw pictograms (1-1) Interpret pictograms (1-1) Draw pictograms (2,5 and 10) Interpret pictograms (2,5 and 10) Block diagrams</p>	<p>Make patterns with 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 3-D shapes</p> <p><u>Fractions</u> Make equal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Unit fractions Non-unit fractions Equivalence of $\frac{1}{4}$ and $\frac{2}{4}$ Find three quarters Count in fractions</p> <p><u>Length and Height</u> Measure length (cm) Measure length (m) Compare lengths Order lengths Four operations with lengths</p>	<p><u>Problem Solving and efficient methods</u></p> <p><u>Time</u> O'clock and half past Quarter past and quarter to Telling time to 5 minutes</p>	<p>Measure mass in kilograms Compare volume Millilitres Litres Temperature</p> <p><u>Investigations</u></p>
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	Consolidation	Consolidation	Consolidation	Consolidation	Consolidation	Consolidation
Year 3	<p><u>Place value</u> Hundreds Represent numbers to 1,000 100s, 10s and 1s (1) 100s, 10s and 1s (2) Number line to 1,000 Find 1, 10, 100 and more or less than a given number Compare objects to 1,000 Order numbers Count in 50s</p> <p><u>Addition & subtraction</u> Add and subtract multiples of 100 Add and subtract 3-digit and 1-digit numbers – not crossing 10 Add 3-digit and 1-digit numbers – crossing 10 Subtract a 1-digit number from a 3-digit number – crossing 10 Add and subtract 3-digit and 2-digit numbers – not crossing 100 Add 3-digit and 2-digit numbers – crossing 100 Subtract a 2-digit number from a 3-digit number – crossing 100 Add and subtract 100s Spot the pattern – making it explicit</p>	<p><u>Number and Subtraction</u> Add a 2-digit and 3-digit numbers -crossing 10 or 100 Subtract a 2-digit number from a 3-digit number – crossing 10 or 100 Add two 3-digit numbers – not crossing 10 or 100 Add two 3-digit numbers – crossing 10 or 100 Subtract a 3-digit number from a 3-digit number – no exchange</p> <p><u>Multiplication & Division</u> Multiplication – equal groups Multiply by 3 Divide by 3 The 3 times table Multiply by 4 Divide by 4 The 4 times table Multiply by 8 Divide by 8 The 8 times table</p> <p><u>Consolidation</u></p>	<p><u>Multiplication & division</u> Comparing statements Related calculations Multiply 2-digits by 1-digit (1) Multiply 2-digits by 1-digit (2) Divide 2-digits by 1-digit (1) Divide 2-digits by 1-digit (2) Divide 2-digits by 1-digit (3) Scaling How many ways?</p> <p><u>Money</u> Pounds and pence Convert pounds and pence Add money Subtract money Give change</p> <p><u>Statistics</u> Pictograms Bar Charts Tables</p>	<p><u>Length and Perimeter</u> Measure length Equivalent lengths – m & cm Equivalent lengths – mm & cm Compare lengths Add lengths Subtract lengths Measure perimeter Calculate perimeter</p> <p><u>Fractions</u> Unit and non-unit fractions Making the whole Tenths Count in tenths Tenths as decimals Fractions on a number line Fractions of a set of objects (1) Fractions of a set of objects (2) Fractions of a set of objects (3)</p> <p><u>Consolidation</u></p>	<p><u>Fractions</u> Equivalent fractions (1) Equivalent fractions (2) Equivalent fractions (3) Compare fractions Order fractions Add fractions Subtract fractions</p> <p><u>Time</u> Months and years Hours in a day Telling the time to 5 minutes Telling the time to the minute Using a.m. and p.m. 24-hour clock Finding the duration Comparing durations Start and end times Measuring time in seconds</p>	<p><u>Properties of Shape</u> Turns and angles Right angles in shapes Compare angles Draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2D shapes Recognise and describe 3-D shapes Make 3-D shapes</p> <p><u>Mass and Capacity</u> Measure mass (1) Measure mass (2) Compare mass Add and subtract mass Measure capacity (1) Measure capacity (2) Compare capacity Add and subtract capacity</p> <p><u>Consolidation</u></p>



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	Add and subtract a 2-digit and 3-digit numbers – not crossing 10 or 100					
Year 4	<p><u>Place Value</u> Roman Numerals to 100 Round to the nearest 10 Round to the nearest 100 Count in 1,000s 1,000s, 100s, 10s and 1s Partitioning Number line to 10,000 1,000 more or less Compare numbers Order numbers Round to the nearest 1,000 Count in 25s Negative numbers</p> <p><u>Addition & Subtraction</u> Add and subtract 1s, 10s, 100s and 1,000s Add two 4-digit number – no exchange Add two 4-digit number – one exchange Add two 4-digit numbers – more than one exchange Subtract two 4-digit numbers – no exchange Subtract two 4-digit numbers – no exchange Subtract two 4-digit numbers – one exchange Subtract two 4-digit – more than one exchange</p>	<p><u>Addition and Subtraction</u> Efficient subtraction Estimate answers Checking strategies</p> <p><u>Length and perimeter</u> Kilometres Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shape</p> <p><u>Multiplication & division</u> Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Multiply by 1 and 0 Divide by 1 and itself Multiply and divide by 6 6 times table and division facts Multiply and divide by 9 9 times table and division facts Multiply and divide by 7 7 times table and division facts</p> <p><u>Consolidation</u></p>	<p><u>Multiplication & division</u> 11 and 12 times-table Multiply 3 numbers Factor pairs Efficient multiplication Written methods Multiply 2-digits by 1-digit Multiply 3-digits by 1-digit Divide 2-digits by 1-digit (1) Divide 2-digits by 1-digit (2) Divide 3-digits by 1-digit Correspondence problems</p> <p><u>Area</u> What is area? Counting squares Making shapes Comparing area</p> <p><u>Fractions</u> What is a fraction? Equivalent fractions (1) Equivalent fractions (2) Fractions greater than 1 Count in fractions</p>	<p><u>Fractions</u> Add 2 or more fractions Subtract 2 fractions Subtract from whole amounts Calculate fractions of a quantity Problem solving – calculate quantities</p> <p><u>Decimals</u> Recognise tenths and hundredths Tenths as decimals Tenths on a place value grid Tenths on a number line Divide 1-digit by 10 Divide 2-digits by 10 Hundredths Hundredths as decimals Hundredths on a place value grid Tenths on a place value grid Tenths on a number line Divide 1-digit by 10 Divide 2-digits by 10 Hundredths Hundredths on a place value grid Divide 1 or 2-digits by 100</p> <p><u>Consolidation</u></p>	<p><u>Decimals</u> Recognise tenths and hundredths Tenths as decimals Tenths on a place value grid Tenths on a number line Divide 1-digit by 10 Divide 2-digits by 10 Hundredths Hundredths as decimals Hundredths on a place value grid Divide 1 or 2-digits by 100</p> <p><u>Money</u> Pounds and pence Ordering money Estimating money Four operation</p> <p><u>Time</u> Hours, minutes and seconds Years, months, weeks and days Analogue to digital – 12 hour Analogue to digital – 24 hour</p> <p><u>Statistics</u> Interpret charts</p>	<p><u>Property of shape</u> Identify angles Compare and order angles Triangles Quadrilaterals Lines of symmetry Complete a symmetric figure</p> <p><u>Position and direction</u> Describe position Draw on a grid Move on a grid Describe a movement on a grid</p> <p><u>Consolidation</u></p>



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Year 5	<p><u>Place Value</u> Numbers to 10,000 Roman numerals to 1,000 Round to the nearest 10, 100 and 1,000 Numbers to 100,000 Compare and order numbers to 100,000 Round numbers within 100,000 Numbers to a million Counting in 10s, 100s, 1,000s, 10,000s and 100,000s Compare and order numbers to one million Round numbers to one million Negative numbers</p> <p><u>Addition and Subtraction</u> Add whole number with more than 4 digits (column method) Subtract whole number with more than 4 digits (column method) Round to estimate and approximate Inverse operations (addition and subtraction) Multi-step addition and subtraction problems</p>	<p><u>Statistics</u> Read and interpret tables Two-way tables Timetables</p> <p><u>Multiplication and Division</u> Multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000</p> <p><u>Perimeter and Area</u> Measure perimeter Calculate perimeter Area of rectangles Area of compound shapes Area of irregular shapes</p> <p><u>Consolidation</u></p>	<p><u>Multiplication and Division</u> 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</p> <p><u>Fractions</u> Equivalent fractions Improper fractions to mixed numbers Mixed numbers to improper fractions Number sequences Subtract – breaking the whole Compare and order fractions less than 1 Compare and order fractions greater than 1</p>	<p><u>Fractions</u> Add and subtract fractions Add fractions within 1 Add 3 or more fractions Add fractions Add mixed numbers Subtract fractions Subtract mixed numbers</p> <p><u>Decimals and Percentages</u> Decimals up to 2 d.p. Decimals as fractions (1) Decimals as fractions (2) Understand thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understand percentages Percentages as fractions and decimals Equivalent F.D.P</p> <p><u>Consolidation</u></p>	<p>Comparison, sum & difference Introducing line graphs Line graphs</p> <p><u>Decimals</u> 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 decimal places Adding decimals with a different number of decimal places Subtracting decimals with a different number of decimal places Adding and subtracting wholes and decimals Decimal sequences Multiplying decimals by 10, 100 and 1,000 Dividing decimals by 10, 100 and 1,000</p> <p><u>Properties of Shape</u> Measuring angles in degrees Measuring with a protractor (1)</p>	<p><u>Properties of Shape</u> Calculating lengths and angles in shapes Regular and irregular polygons Reasoning about 3-D shapes</p> <p><u>Position and Direction</u> Position in the first quadrant Reflection Reflection with coordinates Translation Translation with coordinates</p> <p><u>Converting Units</u> Kilograms and kilometres Milligrams and millilitres Metric units Imperial units Converting units of time Timetables</p> <p><u>Volume</u> What is volume? Compare volume Estimate volume Estimate capacity</p> <p><u>Consolidation</u></p>
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	<p>Statistics Read and interpret line graphs Draw line graphs Use line graphs to solve problems</p>				<p>Measuring with a protractor (2) Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point</p>	
Year 6	<p>Place Value Numbers to ten million Compare and order any number Round any number Negative numbers</p> <p>Addition, Subtraction, Multiplication and Division Add and subtract integers Multiply up to a 4-digit number by 2-digit number Short division Division using factors Long division (1) Long division (2) Long division (3) Long division (4) Common factors Common multiples Primes to 100 Squares and cubes Order of operations Mental calculations and estimation Reason from known facts</p>	<p>Fractions Simply fractions Fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract fractions (1) Add and subtract fractions (2) Add fractions Subtract 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 Fraction of an amount – find the whole</p>	<p>Decimals 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)</p> <p>Percentages Fractions to percentages Equivalent FDP Order FDP Percentage of an amount (1) Percentage of an amount (2) Percentages – missing values</p> <p>Algebra Find a rule – one step</p>	<p>Converting units Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures</p> <p>Perimeter, Area and Volume Shapes – same area Area and perimeter Area of a triangle (1) Area of a triangle (2) Area of a triangle (3) Area of parallelogram Volume – counting cubes Volume of a cuboid</p> <p>Ratio Using ratio language Ratio and fractions Introducing the ratio symbol Calculating ratio Using scale factors Calculating scale factors</p>	<p>Properties of shape Measure with a protractor Introduce angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Draw nets of 3-D shapes</p> <p>Problem Solving</p> <p>Statistics Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts</p>	<p>Investigations</p> <p>Consolidation</p>

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		<p><u>Position and direction</u> The first quadrant Four quadrants Translations Reflections</p> <p><u>Consolidation</u></p>	<p>Find a rule – two step Forming expressions Substitution Formulae Forming equations Solve simple one-step equations Solve two-step equations Find pairs of values Enumerate possibilities</p>	<p>Ratio and proportion problems</p> <p><u>Consolidation</u></p>	<p>Pie charts with percentages Draw pie charts The mean</p>	
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