



Mathematics Curriculum Map



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Unit 1	Place Value Count within 100, forwards and backwards, starting with any number.	Place Value Numbers 10 to 100. Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers.	Addition and Subtraction Adding and subtracting across 10 - Retrieval	Addition and Subtraction Review of column addition and subtraction for up to three-digit numbers.	Place Value Decimal fractions	Addition and Subtraction Multiplication and Division Calculating using knowledge of structures
Unit 2	Place Value Comparison of quantities and part-whole relationships • part-whole	Addition and Subtraction Calculations within 20. Add and subtract across 10.	Place Value Numbers to 1,000	Place Value Numbers to 10,000	Place Value Money	Place Value Multiples of 1,000
Unit 3	Addition and Subtraction Composition of numbers: 0–5	Number Facts Fluently add and subtract within 10	Addition and Subtraction Calculate complements to 100.	Geometry Perimeter	Place Value Negative Numbers	Place Value Numbers up to 10,000,000
Unit 4	Geometry Recognise, compose, decompose and manipulate 2D and 3D shapes	Addition and Subtraction Addition and subtraction of two-digit numbers – only tens or ones.	Number Facts Apply place-value knowledge to known additive and multiplicative number facts	Number Facts 3, 6, 9 times tables	Multiplication and Division Short multiplication and short division	Geometry Draw, compose and decompose shapes



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Unit 5	Addition and Subtraction Composition of numbers 6-10	Multiplication Introduction to multiplication within the 2, 5 and 10 multiplication tables.	Geometry Right angles	Number Facts 7 times table and patterns	Geometry Area and scaling	Multiplication and division Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding
Unit 6	Addition and Subtraction Additive structures. Read, write and interpret equations containing addition (+), subtraction (-) and equals (=) symbols, and relate additive expressions and equations to real-life contexts.	Division Introduction to division structures	Addition and Subtraction Understand the inverse relationship between addition and subtraction Understand and use the commutative property of addition, and understand the related property for subtraction. Securing mental strategies: calculation up to 999	Multiplication and Division Understanding and manipulating multiplicative relationships	Multiplication and Division Calculating with decimal fractions	Area, perimeter, position and Direction Multiplicative contexts: area and perimeter
Unit 7	Number Facts Develop fluency in addition and subtraction facts within 10.	Geometry Use precise language to describe the properties of 2D and 3D shapes	Addition and Subtraction Add and subtract up to three-digit numbers using columnar methods.	Geometry Coordinates	Multiplication and Division Factors, multiples and primes	Fractions and percentages Recognise when fractions can be simplified, and use common factors to simplify fractions.



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						Express fractions in a common denomination and use this to compare fractions that are similar in value.
Unit 8	Place Value Composition of numbers 11-19	Addition and Subtraction Addition and subtraction of two-digit numbers.	Multiplication and Division 2, 4, 8 times tables Apply and recall known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.	Fractions Interpret and write proper fractions to represent 1	Fractions Find equivalent fractions and understand that they have the same value and the same position in the linear number system. Recall decimal fraction equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$, and for multiples of these proper fractions.	Statistics Interpret and construct pie charts and line graphs and use these to solve problems
Unit 9	Number Facts Unitising and coin recognition Count forwards and backwards in multiples of 2, 5 and 10.	Money Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money	Addition and Subtraction Column subtraction Add and subtract up to three-digit numbers using columnar methods.	Fractions Fractions greater than 1	Measure Converting units of measure	Multiplication and Division Ratio and proportion



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<p>Unit 10</p>	<p>Position and direction</p> <p>Describe position, direction and movement, including whole, half, quarter and three-quarter turns.</p>	<p>Fractions</p> <p>Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity</p>	<p>Fractions</p> <p>Unit fractions</p>	<p>Geometry</p> <p>Symmetry in 2D shapes</p>	<p>Geometry</p> <p>Angles</p>	<p>Addition and Subtraction</p> <p>Multiplication and Division</p> <p>Calculating using knowledge of structures (2)</p>
<p>Unit 11</p>	<p>Time</p> <p>Sequence events in chronological order using language.</p> <p>Recognise and use language including days of the week, weeks, months and years.</p> <p>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</p>	<p>Time</p> <p>Compare and sequence intervals of time</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</p> <p>Know the number of minutes in an hour and the number of hours in a day</p>	<p>Fractions</p> <p>Non-unit fractions</p>	<p>Time</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days</p>		<p>Addition and Subtraction</p> <p>Multiplication and Division</p> <p>Solving problems with two unknowns</p>
<p>Unit 12</p>	<p>Measure</p> <p>Compare, describe, measure and record length/height, mass/weight, capacity and volume.</p>	<p>Position and direction</p> <p>Describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for</p>	<p>Geometry</p> <p>Parallel and perpendicular sides in polygons</p>	<p>Number Facts</p> <p>Division with remainders</p>		<p>Addition and Subtraction</p> <p>Multiplication and Division</p> <p>Order of operations</p>



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		quarter, half and three-quarter turns (clockwise and anti-clockwise)				
Unit 13		Multiplication and Division Commutativity Doubling and Halving	Time Estimate and read time with increasing accuracy to the nearest minute			Statistics Mean Average
Unit 14		Measure Measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels				
Unit 15		Statistics Interpret and construct simple pictograms, tally charts, block diagrams and tables				