

### Mathematics overview across the curriculum

	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 3 Mathematics coverage</b>	Unit 1: Place value within 1,000  Unit 2: Addition and subtraction (1)  Unit 3: Addition and subtraction (2)	Unit 3: Addition and subtraction (2)  Unit 4: Multiplication and division (1)  Unit 5: Multiplication and division (2)	Unit 5: Multiplication and division (2)  Unit 6: Money	Unit 7: Statistics  Unit 8: Length  Unit 9: fractions (1)	Unit 10: Fractions (2)  Unit 11: Time  Unit 12: Angles and properties of shape	Unit 12: Angles and properties of shape  Unit 13: Mass  Unit 14: Capacity
<b>Curriculum Theme Title</b>	Urban Pioneers	Tribal tales	Tremors	Scumdiddlyumptious	Predators	Ancient Egyptians
<b>Mathematical opportunities in wider curriculum</b>	<b>Geography:</b> Measure – food miles	<b>History:</b> Interpreting timelines & chronology Invention of money and cost <b>DT:</b> Food technology	<b>Science:</b> Interpreting data (reading scales) <b>Geography:</b> Interpreting data	<b>History:</b> Roman Numerals	<b>DT:</b> Measure- drawing to scale	<b>History:</b> Interpreting timelines & chronology Numerical system for counting and problem solving
<b>Key mathematical vocabulary</b>	<p><b>Geography:</b> hundreds (100s), tens (10s), ones (1s), place value, more, less, greater than (&gt;), less than (&lt;), Pictogram, key, bar chart, scale, table, row, column, vertical, axis</p> <p><b>Science:</b> Pictogram, key, bar chart, scale, table, row, column, vertical, axis</p> <p><b>DT:</b> Length, height, width, perimeter, distance, centimetre (cm), millimetre (mm), metre (m), unit of measurement, measure, add, subtract, multiply, equivalent, convert, greater than (&gt;), less than (&lt;), mass, weigh, measure, scale, interval, gram (g), kilogram (kg)</p> <p><b>History:</b> Month, year, duration, thousands (1000s), hundreds (100s), tens (10s), ones (1s), place value, compare, order, pounds (£), and pence (p) convert, total, difference, change</p>					
<b>Year 4</b>	Unit 1: Place value- 4-digit numbers (1)	Unit 3: Addition and subtraction	Unit 5: Multiplication and division (1)	Unit 8: Fractions (1)	Unit 10: Decimals (1)	Unit 13: Time

## Mathematics overview across the curriculum

<b>Mathematics coverage</b>	Unit 2: Place value-4-digit numbers (2)  Unit 3: Addition and subtraction	Unit 4: Measure-Perimeter  Unit 5: Multiplication and division (1)	Unit 6: Multiplication and division (2)  Unit 7: Measure- area	Unit 9: Fractions (2)  Unit 10: Decimals (1)	Unit 11: Decimals (2)  Unit 12- Money	Unit 15: Geometry-angles and 2D shapes  Unit 16: Geometry-position and direction
<b>Curriculum Theme Title</b>	Urban Pioneers	Tribal tales	Tremors	Scumdiddlyumptious	Predators	Ancient Egyptians
<b>Mathematical opportunities in wider curriculum</b>	<b>French:</b> Numbers to 20. <b>Geography:</b> Measure – food miles	<b>History:</b> Interpreting timelines & chronology. Invention of money and cost <b>DT:</b> Food technology	<b>Science:</b> Interpreting data (reading scales) <b>Geography:</b> Interpreting data	<b>History:</b> Roman Numerals	<b>DT:</b> Measure- drawing to scale	<b>History:</b> Interpreting timelines & chronology Numerical system for counting and problem solving
<b>Key mathematical vocabulary</b>	<p><b>French:</b> 1-20 in words.</p> <p><b>Geography:</b> Tens, hundreds, thousands, rounding, order, more than (&gt;), less than (&lt;), ascending, descending, rounding, negative, step, multiple, addition total, subtraction, column method, estimate, how much, strategy, efficient, accurate, exact, fact, diagram</p> <p><b>DT:</b> Length, width, perimeter, distance, rectangle, square, rectilinear shape, centimetre (cm), metre (m), kilometre (km), scale, integer, interval, positive, negative, multiples of 10, 100, 1000, grams (g), kilo gram (Kg)</p> <p><b>History:</b> Notes, coins, pounds (£), pence (p), add, subtract, change, ones, tens, hundreds, thousands, compare, order, place value</p> <p><b>Science:</b> Data, line graph, pictogram, bar chart, table, altogether, more than (&gt;), greatest, smallest, continuous data, compare</p>					

## Mathematics overview across the curriculum

<b>Year 5 Mathematics coverage</b>	Unit 1: Place value within 100,000  Unit 2: Place value within 1,000,000  Unit 3: Addition and subtraction	Unit 3: Addition and subtraction  Unit 4: Graphs and tables  Unit 5: Multiplication and division (1)  Unit 6: Measure- area and perimeter	Unit 7: Multiplication and division (2)  Unit 8: Fractions (1)  Unit 9: Fractions (2)	Unit 10: Fractions (3)  Unit 11: Decimals and percentages	Unit 12: Decimals  Unit 13: Geometry-properties of shape (1)  Unit 14: Geometry-properties of shape (2)	Unit 15: Geometry-position and direction  Unit 16: Measure-converting units  Unit 17: Measure-volume and capacity
<b>Curriculum Theme Title</b>	That's Entertainment	Alchemy Island	Greeks	Allotment	Stargazers	Tudors
<b>Mathematical opportunities in wider curriculum</b>	<b>DT:</b> Measure-designing fairground rides. <b>History:</b> Interpreting timelines.	<b>Geography:</b> Measure. Interpreting data. <b>Science:</b> Measure. Interpreting data.	<b>History:</b> Interpreting timelines.	<b>DT:</b> Food technology. <b>Geography:</b> Measure-distance. Interpreting data.	<b>DT:</b> Measure-constructing bridges. <b>Geography:</b> Measure. Interpreting data. <b>Science:</b> Length and distance. Interpreting data.	<b>History:</b> Interpreting timelines.
<b>Key mathematical vocabulary</b>	<b>DT:</b> ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s), hundred thousands (100,000s), million (1,000,000), round order, ascending, descending, less than (<), greater than (>), sequence, convert, metric unit, imperial unit, kilo, kilogram, gram, millimetre centimetre, metre, kilometre, litre, millilitre, pound (lb), ounce (oz), inch (in), foot (ft), yard (yd), pint, gallon, stone (st), approximately <b>History:</b> ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s), hundred thousands (100,000s), million (1,000,000), round order, ascending, descending, less than (<), greater than (>), sequence, <b>Geography:</b> ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s), hundred thousands (100,000s), million (1,000,000), round order, ascending, descending, less than (<), greater than (>), sequence, Graph, line graph, table, dual line graph, horizontal, vertical, two-way table, scale axis/axes, data, kilometre (km), kilogram (kg), plot/plotted, tallies/tally, digits					

## Mathematics overview across the curriculum

	<b>Science:</b> ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s), hundred thousands (100,000s), million (1,000,000), round order, ascending, descending, less than (<), greater than (>), sequence, Graph, line graph, table, dual line graph, horizontal, vertical, two-way table, scale axis/axes, data, kilometre (km), kilogram (kg), plot/plotted, tallies/tally, digits					
<b>Year 6</b>  <b>Mathematics coverage</b>	Unit 1: Place value within 10,000,000  Unit 2: Four operations (1)  Unit 3: Four operations (2)	Unit 4: Fractions (1)  Unit 5: Fractions (2)  Unit 6: Geometry-position and direction	Unit 7: Decimals  Unit 8: Percentages  Unit 9: Algebra	Unit 10: Measure- Imperial and metric measures  Unit 11: Measure- Perimeter, area and volume  Unit 12: Ration and proportion	Unit 13: Geometry- properties of shapes  Unit 14: Problem solving  Unit 15: Statistics	Unit 14: Problem solving  Unit 15: Statistics
<b>Curriculum Theme Title</b>	Blood heart	A child's war	Revolution	Revolution	Darwin's delight	Hola Mexico!
<b>Mathematical opportunities in wider curriculum</b>	<b>History and music:</b> Interpreting timelines <b>Science:</b> Statistics- collating and interpreting science data <b>Geography-</b> 4 digit grid references.	<b>History and Music:</b> Interpreting timelines <b>Science:</b> Statistics- collating and interpreting data <b>DT:</b> Measure – accurate construction	<b>History and Music:</b> Interpreting timelines <b>DT:</b> Measure- designing torches	<b>History and Music:</b> Interpreting timelines <b>Geography:</b> distance and measure. Interpreting data.	<b>History and Music:</b> Interpreting timelines <b>Measure – DT textiles</b> <b>Geography:</b> distance and measure. Interpreting data.	<b>History and Music:</b> Interpreting timelines <b>Science:</b> Statistics – Gathering and interpreting data sets
<b>Key mathematical vocabulary</b>	<b>Geography:</b> x-axis, y-axis, axis, quadrant, horizontal, vertical, digit, <b>Science:</b> Mean, average, pie chart, segment, line graph, bar chart, percentage, fraction , data, compare, order, Greater than (>), Less than (<), place value, ones, tens, hundreds, thousands, ten thousand, hundred thousand, million <b>DT:</b>					

## Mathematics overview across the curriculum

	millimetre (mm), centimetre (cm), metre (m), unit of measurement (or measure), area, volume, perimeter, height, enclosed, width, length, square centimetre (cm <sup>2</sup> ), square metre (m <sup>2</sup> ), base, estimate, formula, compound shape, ratio, proportion, part whole, scale, scale factor, similar, notation, net
--	--

**History and Music:**

compare, order, Greater than (>), Less than (<), place value, ones, tens, hundreds, thousands, ten thousand, hundred thousand, million