Mathematics overview across the curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3 **Mathematics coverage**	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
Curriculum Theme Title	Urban Pioneers	Tribal tales	Tremors	Scumdiddlyumptious	Predators	Ancient Egyptians
Mathematical opportunities in wider curriculum	**Geography:** Measure – food miles	**History:** Interpreting timelines & chronology Invention of money and cost **DT**: Food technology	**Science:** Interpreting data (reading scales) **Geography:** Interpreting data	**History:** Roman Numerals	**DT**: Measure- drawing to scale	**History:** Interpreting timelines & chronology Numerical system for counting and problem solving
Key mathematical vocabulary	**Geography:** hundreds (100s), tens (10s), ones (1s), place value, more, less, greater than (>), less than (<), Pictogram, key, bar chart, scale, table, row, column, vertical, axis **Science:** Pictogram, key, bar chart, scale, table, row, column, vertical, axis **DT:** Length, height, width, perimeter, distance, centimetre (cm), millimetre (mm), metre (m), unit of measurement, measure, add, subtract, multiply, equivalent, convert, greater than (>), less than (<), mass, weigh, measure, scale, interval, gram (g), kilogram (kg) **History:** Month, year, duration, thousands (1000s), hundreds (100s), tens (10s), ones (1s), place value, compare, order, pounds (£), and pence (p) convert, total, difference, change					
Year 4	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

Mathematics coverage	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
Curriculum Theme Title	Urban Pioneers	Tribal tales	Tremors	Scumdiddlyumptious	Predators	Ancient Egyptians
Mathematical opportunities in wider curriculum	**French:** Numbers to 20. **Geography:** Measure – food miles	**History:** Interpreting timelines & chronology. Invention of money and cost **DT:** Food technology	**Science:** Interpreting data (reading scales) **Geography:** Interpreting data	**History:** Roman Numerals	**DT**: Measure- drawing to scale	**History:** Interpreting timelines & chronology Numerical system for counting and problem solving
Key mathematical vocabulary	**French:** 1-20 in words. **Geography:** Tens, hundreds, thousands, rounding, order, more than (>), less than (<), ascending, descending, rounding, negative, step, multiple, addition total, subtraction, column method, estimate, how much, strategy, efficient, accurate, exact, fact, diagram **DT:** 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) **History:** Notes, coins, pounds (£), pence (p), add, subtract, change, ones, tens, hundreds, thousands, compare, order, place value **Science:** Data, line graph, pictogram, bar chart, table, altogether, more than (>), greatest, smallest, continuous data, compare					

Mathematics overview across the curriculum

Year 5 Mathematics coverage	Unit 1: Place value within 100,000	Unit 3: Addition and subtraction	Unit 7: Multiplication and division (2)	Unit 10: Fractions (3)	Unit 12: Decimals	Unit 15: Geometry-position and direction
	Unit 2: Place value within 1,000,000	Unit 4: Graphs and tables	Unit 8: Fractions (1)	Unit 11: Decimals and percentages	Unit 13: Geometry-properties of shape (1)	Unit 16: Measure-converting units
	Unit 3: Addition and subtraction	Unit 5: Multiplication and division (1)	Unit 9: Fractions (2)		Unit 14: Geometry-properties of shape (2)	Unit 17: Measure-volume and capacity
		Unit 6: Measure- area and perimeter				
Curriculum Theme Title	That's Entertainment	Alchemy Island	Greeks	Allotment	Stargazers	Tudors
Mathematical opportunities in wider curriculum	**DT:** Measure- designing fairground rides. **History**: Interpreting timelines.	**Geography**: Measure. Interpreting data. **Science:** Measure. Interpreting data.	**History:** Interpreting timelines.	**DT:** Food technology. **Geography:** Measure-distance. Interpreting data.	**DT:** Measure-constructing bridges. **Geography:** Measure. Interpreting data. **Science:** Length and distance. Interpreting data.	**History:** Interpreting timelines.
Key mathematical vocabulary	**DT:** 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 **History:** 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, **Geography:** 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

	Science: 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					
Year 6 **Mathematics coverage**	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
Curriculum Theme Title	Blood heart	A child's war	Revolution	Revolution	Darwin's delight	Hola Mexico!
Mathematical opportunities in wider curriculum	**History and music:** Interpreting timelines **Science:** Statistics- collating and interpreting science data **Geography**- 4 digit grid references.	**History and Music:** Interpreting timelines **Science:** Statistics- collating and interpreting data **DT:** Measure – accurate construction	**History and Music:** Interpreting timelines **DT:** Measure- designing torches	**History and Music:** Interpreting timelines **Geography:** distance and measure. Interpreting data.	**History and Music:** Interpreting timelines **Measure** – DT textiles **Geography:** distance and measure. Interpreting data.	**History and Music:** Interpreting timelines **Science:** Statistics – Gathering and interpreting data sets
Key mathematical vocabulary	**Geography:** x-axis, y-axis, axis, quadrant, horizontal, vertical, digit, **Science:** 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 **DT:**					

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 (cm2), square metre (m2), 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