Whole School Maths Curriculum Map KS1 and KS2

	Autumn Term	Spring Term	Summer Term
Year 1	**Number:** Place value (within 10) Addition and subtraction (within 10) **Geometry:** Shape (recognise, name and sort 2d and 3d shapes)	**Number:** Place value (within 20) Addition and subtraction (within 20) Place value (within 50) **Measurement:** Length and height (using objects and cm) Mass and volume (full/empty, heavier/lighter)	**Number:** Multiplication and division (counts in 2s, 5s and 10s) Fractions (half and quarter) Place value (within 100) **Geometry:** Position and direction (left, right, forwards, backwards, above, below) **Measurement:** Money (recognise coins and notes) Time (names of days and months, tell time to the hour and half hour)
Year 2	**Number:** Place value (2 digit numbers) Addition and subtraction (2 digit numbers) **Geometry:** Properties of shape (count sides/edges, vertices and recognise lines of symmetry)	**Number:** Multiplication and division (by 2, 5 and 10) **Measurement:** Money (count, compare and calculate with money) Length and height (measure, compare and order in m and cm) Mass, capacity and temperature (grams, kilograms, millilitres and litres)	**Number:** Fractions (half, quarter, third and three quarters) **Measurement:** Time (tell the time to 5 minutes) **Statistics:** Pictograms and tally charts (pictograms representing 2s, 5s and 10s) **Geometry:** Position and direction (describe movement and turns)
Year 3	**Number:** Place value (3 digit numbers) Addition and subtraction (3 digit numbers) Multiplication and division (by 3, 4 and 8)	**Number:** Multiplication and division (2 digit by 1 digit) Fractions (unit, non-unit and equivalent fractions) **Measurement:** Mass and capacity (use scales, add, subtract and compare mass, capacity and volume) Length and perimeter (measure in meters, cm and mm, measure and calculate perimeter)	**Number:** Fractions (add/subtract fractions, find fractions of an amount) **Measurement:** Time (tell the time to the minute, use am/pm/digital clocks and solve problems with time) Money (convert £ and pence, add/subtract and find change) **Geometry:** Properties of shape (understand angles, horizontal, vertical, parallel and perpendicular) **Statistics:** Pictograms and bar charts (draw and interpret pictograms and bar charts)
Year 4	**Number:** Place value (4 digit numbers) Addition and subtraction (4 digit numbers) Multiplication and division (by 6, 7 and 9, times tables and division facts for 11s and 12s) **Measurement:** Area (counting squares and making shapes)	**Number:** Multiplication and division (3 digit by 1 digit, multiply and divide by 10 and 100) Fractions (mixed numbers and improper fractions) Decimals (tenths and hundredths) **Measurement:** Length and perimeter (measure in km and m, perimeter of polygons and rectilinear shapes)	**Number:** Decimals (partition, compare and order decimals, halves and quarters as decimals) **Measurement:** Money (write money using decimals, estimate, calculate and solve problems with money) Time (convert between analogue, digital and 24-hour clock) **Statistics:** Charts and line graphs (interpret and draw charts and line graphs) **Geometry:** Position and direction (using coordinates, translation on a grid) Properties of shape (angles, angles as turns and symmetry)

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Year 5	**Number:** Place value (up to 1,000,000 and Roman numerals to 1,000) Addition and subtraction (more than 4 digits) Multiplication and division (by 10, 100 and 1,000, factors, prime numbers, square numbers and cube numbers) Fractions (converting, adding and subtracting mixed numbers and improper fractions)	**Number:** Multiplication (multiply 2/3/4 digit by 2 digit) Division (divide 4 digit by 1 digit) Fractions (multiply a fraction by an integer, find fractions of an amount) Decimals (tenths, hundredths and thousandths) Percentages (equivalent fractions/ decimals/ percentages) **Measurement:** Area and perimeter (area and perimeter of rectangles, polygons and compound shapes) **Statistics:** Line graphs (draw, read and interpret) Tables and timetables (two-way tables)	**Geometry:** Properties of shape (understand and use degrees, draw, measure and calculate angles) Position and direction (read and plot coordinates, translation and reflection) **Number:** Decimals (add and subtract decimals, multiply/divide decimals by 10, 100 and 1,000) Negative numbers **Measurement:** Converting units (converting units of length, time and between metric and imperial measures) Volume (cubic centimeters and estimating volume/capacity)
Year 6	**Number:** Place value (up to 10,000,000 and negative numbers) Addition and subtraction (up to 10,000,000) Multiplication and division (factors, multiples, primes, square and cube numbers, long multiplication and long division) Fractions (compare and order, adding and subtracting including mixed numbers, multiplying, dividing and fractions of an amount) **Measurement:** Converting units (metric and imperial including miles and km)	**Number:** Ratio (ratio and fractions, scale drawing, scale factors, proportion) Algebra (expression, substitution, formulae, form and solve equations, unknowns) Decimals (rounding, add and subtract, multiply and divide by 10, 100 and 1000, multiply and divide decimals by integers) Fractions, decimals and Percentages (equivalent decimals, fractions and percentages, ordering, percentage of an amount) **Measurement:** Area, perimeter and volume (area of different triangles and parallelogram, volume of a cuboid)	**Statistics:** Line graphs Pie charts (with percentages, drawing pie charts) Mean **Geometry:** Properties of shape (measure and classify angles, , vertically opposite angles, angles in a triangle, quadrilateral and polygon, properties of circles, nets of 3-D shapes) Position and direction (four quadrants, translations, reflections) **Consolidation and themed projects**

Mixed year group classes will be covering the same areas but in a different order.

Year group and national curriculum expectations.