

Maths Curriculum Map - Key Stage 1 and 2

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Number: Place Value (within 10) Sort count and represent number, count forwards and backwards, count one more and one less, one-one correspondance, introduce <=>, compare and order number and objects, ordinal numbers</p>	<p>Number: Addition and Subtraction (within 10) part whole model, number bonds to 10, addition and subtraction Geometry: Shape: Regonise, name sort and recognise patterns withing 2D and 3D shape,</p>	<p>Number: Place value (within 20) Count and understand numbers within 20, one more/one less, numberline to 20, compare and order numbers to 20 Number: Addition and Subtraction (within 20) Find and make number bonds to 20, doubles, subtraction, related facts and missing number problems.</p>	<p>Number: Place Value (within 50) Counting in 10s, partitioning 10s and 1s, numberline to 50, one more/one less Measurement: Length and Height, Weight and Volume compare length and height, measure length using objects and in cm. Measurement: Mass and Volume - heavier, lighter, measure and compare mass, full and empty, measure and compare compacity and volume.</p>	<p>Number: Multiplication and division - count in 2s, 5s, and 10s, recognise and add equal groups, make arrays, making equal groups by grouping and sharing. Number: Fractions - Recognise and find half of an object or shape.recognise half a quantity. Recognise and find quarter of an object or shape.recognise a quarter of a quantity. Geometry: Position and direction - describe turns and position, left, right forward, backwards, above and below,</p>	<p>Number: Place Value (within 100) - count from 50-100, partician into 10s and 1s. Numberline to 100, one more/one less, compare numbers Measurement: Money and Time - recognising coins and notes, counting in coins. Before and after, days of the week, months of the year, seconds, minutes hours, tell the time to the hour/half hour.</p>
Year 2	<p>Place Value: Partition and write numbers to 100. Compare and order numbers. Count in 2s, 5s,10s,3s. Recognise tens and ones. Addition and subtraction: Addition and subtraction bonds within 20. Add and subtract 1s. Add by making 10. Shape: Recognise 2D and 3D shapes. Count sides and vertices on 2d shapes. Draw 2D shapes. Know and use lines of symmetry on shapes. Sort and count faces, edges and vertices on 3D shapes.</p>	<p>Addition and subtraction: Add to the next 10. Subtract from a 10. Add three 1 digit numbers. 10 more, 10 less. Add across 10, subtract across 10. Shape: Recognise 2D and 3D shapes. Count sides and vertices on 2d shapes. Draw 2D shapes. Know and use lines of symmetry on shapes. Sort and count faces, edges and vertices on 3D shapes.</p>	<p>Money: To count pence and pounds. To compare amounts of money, make the same amount and calculate with money to make a pound. Mass, capacity and temperature: Measure in grams, kilograms, millilitres and litres. Compare mass, volumes, capacity and temperature.</p>	<p>Multiplication and Division: Recognise, make and add equal groups. Know the multiplication symbol. Use arrays and write multiplication Length and Height: Measure in cm and metres. Compare and order lengths and heights. Use 4 operations with length and heights</p>	<p>Fractions: To recognise and find a half, a quarter, a third and three quarters. To count in fractions up to a whole. Statistics: To make tally charts and block diagrams. To draw and interpret pictograms.</p>	<p>Time: To know o'clock, half past and quarter to. To tell time past and to the hour. Tell the time to 5 minutes. Position and direction: To know the language of position. To be able to describe movements turns and shape patterns with turns.</p>
Year 3	<p>Place Value: Represernt, partition,compare and order numbers to 1000. Addition and Sutraction: Add and subtract 1s, 10,s and 100s. Add and subtract one and two digit numbers acroos 100.</p>	<p>Addition and Subtraction: Add and subtract two numbers with exchange. Multiplication and Division: Recall multiples of 2,5,10. Multiply and divide by 2,3,4 and 8.</p>	<p>Multiplication and Division: Multiply a 2-digit number by a 1 digit number with exchange. Divide a 2-digit number by a 1 digit number with remainders. Measurement: Length and Perimeter measure in mm, cm, and m. Calculate equivalent lengths. Compare lengths Measure and calculate perimeter.</p>	<p>Measurement:Compare lengths Measure and calculate perimeter. Fractions: Compare and order unit and non-unit fractions. Fractions of a whole. Mass : Measure mass in g and kg.Calculate equivalent masses. Compare. Add and subtract masses.</p>	<p>Capacity: Measure in ml and l. Calculate equivalent capacities and volumes. Compare. Add and subtract capacities and volumes. Fractions: Add and subtract fractions. Unit and non unit fractions of a set of objects and amounts reasoning with fractions of an amount. Money: Add and subtract pounds and pence. Convert pounds and pence. Find change.</p>	<p>Time:Read time to 1 minute intervals analogue and digital. Roman numerals to 12. Years, months, days, hours and minutes. Properties of Shape: Identify turns, angles, right angles, horizontal, vertical, pependicular parallel. Recognise 2D and 3D shapes. Draw polygons and make 3Dshapes. Statistics. Interpret and draw pictograms and bar charts. Collect and represent data.</p>
Year 4	<p>Place Value: Ordering, comparing and partitioning numbers to 10,000. Rounding to 10, 100 and 1000./ Addition and Subtraction: Add and subtract two 4 digit numbers with more than one exchange.</p>	<p>Measure: Area: Counting squares /Multiplication and Division: Times tables facts (multiply and divide) to 12, multiply 3 numbers, multiply by 1 and 0, divide by 1 and itself.</p>	<p>Multiplication and Divison: Multiply and divide by 10 and 100. Multiply a 3 digit number by a 1 digit number, Divide a 3 digit number by a 1 digit number /Length and Perimeter: Metres and Kilometres, Perimeter of polygons</p>	<p>Fractions:Compare and convert mixed numbers and improper fractions, Add and subtract mixed numbers and fraction /Decimals: 10ths and 100ths, divide a 1 or 2 digit number by 10 or 100.</p>	<p>Decimals: Compare, order and partition 10ths and 100ths, Halfs and quarters as decimals/ Money: Convert, compare and calculate/ Time:Convert analogue and digital, convert 12h and 24h clocks</p>	<p>Shape: Order and compare angles, triangles, quadrilaterals and polygons, symmetry/ Statistics: Interpret and draw line graphs/ Position and Direction: Co-ordinates, translation</p>
Year 5	<p>Place Value: Ordering, comparing and partitioning numbers to 1,000,000. Round within 1,000,000. Roman Numerals. Powers of 10./Addition and Subtraction: Add and subtract whole numbers with more than 4 digits. Multi-step addition and subtraction problems.</p>	<p>Multiplication and Division: Common multiples and factors. Prime, square and cube numbers. Multiply and divide by 10, 100 and 1000./Fractions: Recognise and find equivalent fractions. Convert improper fractions and mixed numbers. Order and compare fractions. Add and subtract fractions.</p>	<p>Multiplication and Division: Multiply up to a 4 digit number by a 2 digit number. Divide a 4 digit number by a 1 digit number./Fractions: Multiply fractions by integers. Calculate fractions of amounts.</p>	<p>Decimals and Percentages: Equivalent fractions and decimals. Order and compare decimals up to thousandths. Round decimals. Percentages as fractions and decimals./Perimeter and Area: Estimate and calculate perimeter and area of rectangles, polygons and compound shapes./Statistics: Read and interpret line graphs and tables.</p>	<p>Shape: Understand, use, calculate and draw angles. Regular and irregular polygons. 3D shapes./Position and Direction: Read, plot and translate co-ordinates. Symmetry and reflection./Decimals: Add and subtract decimals. Multiply and divide by 10, 100 and 1000.</p>	<p>Number - Negative Numbers: Understand, compare and order negative numbers. Find difference./Converting Units: Convert units of weight and length. Convert imperial and metric. Convert units of time./Measurement - Volume: Compare and estimate volume and capacity.</p>
Year 6	<p>Place Value: read, write, compare, order and round numbers up to 10,000, 000. Four Operations: add and subtract integers; multiply up to a 4-digit number by a 2-digit number; long division with remainders; problem-solving</p>	<p>Fractions: add and subtract any two fractions; add and subtract mixed numbers, multi-step problems; multiply fractions by integers and fractions; divide any fraction by an integer; find fractions of amounts. Converting Units: convert and calculate with metric measures; imperial measures.</p>	<p>Ratio: scale drawing; scale factors; ratio and proportion problems. Algebra: solve equations; find pairs of values; solve problems with 2 unknowns. Decimals: add and subtract decimals; multiply and divide fractions by integers.</p>	<p>Fractions, Decimals and Percentages: match equivalents; order FDP; calculate percentages of amounts. Area, Perimeter and Volume: calculate the area of triangles and parallelograms; find the perimeter of rectilinear shapes; calculate the volume of cuboids. Statistics: read and interpret line graphs, dual bar chart and pie charts; calculate the mean.</p>	<p>Shape: measure, classify and calculate angles; find missing angles; parts of a circle; nets of £-D shapes.</p>	<p>Position and Direction; read and plot points in four quadrants; solve problems with co-ordinates; translations and reflections.</p>

