Key Stage 2 Maths Curriculum Map 2023 - 24

		Autumn	Spring	Summer
Year 3		**Number: Place Value** To explore numbers up to 1,000. Key Vocab: ones, tens, hundreds, equal, partition, more, less, halfway, greater than, less than, compare. **Number: Addition and Subtraction** To add and subtract 3-digit numbers. Key Vocab: part, whole, ones, tens, hundreds, inverse, multiple, partition, plus, add, total, minus, take-away, exchange, estimate, commutative. **Number: Multiplication and Division** To learn the 3, 4 and 8 times tables. To multiply and divide by 2, 3, 4, 5, 8 and 10. Key Vocab: equal, repeated addition, multiple, sharing, grouping, multiply, divide, double.	**Number: Multiplication and Division** To multiply and divide a 2-digit number by a 1-digit number. Key Vocab: multiple, ones, tens, product, shared, remainder. **Measurement: Length and Perimeter** To explore millimetres, centimetres and metres. To understand perimeter. Key Vocab: length, width, longer, shorter, taller. **Number: Fractions** To compare and order simple fractions. Key Vocab: numerator, denominator, greater than, less than, equal parts, whole, equivalent. **Measurement: Mass and Capacity** To explore grams, kilograms, millilitres and litres. Key Vocab: mass, heavier, lighter, volume, capacity, interval, unit of measurement.	**Number: Fractions** To add and subtract simple fractions. Key Vocab: numerator, denominator, equal parts, whole. **Measurement: Money** To calculate using money. To convert between pounds and pence. Key Vocab: pounds, pence, total, change. **Measurement: Time** To learn Roman numerals up to 12. To tell the time to the minute. To read the time on a digital clock. Key Vocab: minute hand, hour hand, past/to the hour, am, pm, earlier, later, analogue, digital, days, week, month, year, leap year, duration **Geometry: Shape** To explore angles. To recognise and describe 2-D and 3-D shapes. Key Vocab: quarter turn, half turn, full turn, clockwise, anti-clockwise, right angle, acute, obtuse, millimetres, centimetres, horizontal, vertical, parallel, perpendicular, symmetry, vertices, edges, faces, net. **Statistics** To collect and represent data in bar charts and pictograms. Key Vocab: symbol, key, represent, data, scale, axis, vertical, horizontal, tally, column, row, table.

Year 4			

Number: Place Value
To explore numbers up to 10,000.
Key Vocab: ones, tens, hundreds, thousands, halfway, partition, greater than, less than, estimate, ascending, descending, round, multiple.

Number: Addition and Subtraction
To add and subtract 4-digit numbers.
Key Vocab: ones, tens, hundreds, thousands, inverse, exchange, difference, estimate, approximate, inverse, commutative.

Measurement: Area
To explore area.
Key Vocab: greatest, smallest, rectilinear.

Number: Multiplication and Division
To learn the 6, 9, 7, 11 and 12 times tables.
Key Vocab: multiple, sum, product, odd, even, equal, repeated addition, sharing, grouping, multiply, divide, double, zero.

Number: Multiplication and Division
To multiply and divide by 10 and 100.
To multiply and divide a 3-digit number by a 1-digit number.
Key Vocab: factor, pair, placeholder, multiple, ones, tens, hundreds, exchange, product, shared, remainder.

Measurement: Length and Perimeter
To explore kilometres and metres.
To explore the perimeter of rectilinear shapes and polygons.
Key Vocab: cm, m, km, equivalent, length, unit of measurement, sides, horizontal, vertical, regular polygon, irregular, symmetrical.

Number: Fractions
To explore mixed numbers and improper fractions.
To add and subtract simple fractions and mixed numbers.
Key Vocab: whole, numerator, denominator, equal parts, proper, improper, partition, equivalent.

Number: Decimals
To explore tenths and hundredths.
Key Vocab: equal parts, decimal point, whole, equivalent, whole, decimal, tenths, hundredths, place value.

Number: Decimals
To compare, order and round decimals.
Key Vocab: ones, tenths, hundredths, equal parts, whole, half, quarter, equivalent.

Measurement: Money
To solve trickier problems involving money.
Key Vocab: pounds, pence, total, change, estimate, exchange.

Measurement: Time
To convert between analogue and digital times.
To convert to the 24-hour clock.
Key Vocab: day, week, month, year, leap year, hour, minute, second, analogue, digital, am, pm, duration, 12-hour, 24-hour.

Geometry: Shape
To identify, compare and order angles.
To explore triangles, quadrilaterals and polygons.
Key Vocab: quarter turn, half turn, full turn, clockwise, anti-clockwise, right angle, acute, obtuse, equilateral, isosceles, scalene, properties, symmetry.

Statistics
To interpret and draw line graphs.
Key Vocab: data, pictogram, bar chart, scale, comparison, sum, difference, horizontal, vertical, axis, plot.

Geometry: Position and Direction
To plot and translate coordinates on a grid.
Key Vocab: horizontal, vertical, x-axis, y-axis, coordinate, translation, up, down, left, right.

Year 5			

Number: Place Value
To explore numbers to 1,000,000.
Key Vocab: ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions, halfway, partition, power of, greater than, less than, estimate, ascending, descending, round, multiple.

Number: Addition and Subtraction
To add and subtract whole numbers with more than 4 digits.
Key Vocab: place value, inverse, exchange, sum, difference, estimate, approximate, inverse, commutative.

Number: Multiplication and Division
To explore common multiples and factors, prime, square and cube numbers.
To multiply by 10, 100 and 1000.
Key Vocab: divisible, common, pair, systematic, prime factor, composite, place value, placeholder.

Number: Fractions A
To convert between improper fractions and mixed numbers.
To order, compare, add and subtract fractions and mixed numbers.
Key Vocab: whole, numerator, denominator, equal parts, proper, improper, partition, equivalent, multiples.

Number: Multiplication and Division
To multiply a 4-digit number by a 2-digit number.
To divide a 4-digit number a by a 1-digit number.
Key Vocab: place value column, estimate, placeholder, exchange, product, shared, remainder.

Number: Fractions B
To multiply a fraction and mixed number by a whole number.
To find a fraction of an amount.
Key Vocab: whole, numerator, denominator, equal parts.

Number: Decimals and Percentages
To explore decimals up to 3 decimal places and percentages.
Key Vocab: tenths, hundredths, thousandths, decimal point, equivalent, ascending, descending, round, halfway, percent.

Measurement: Perimeter and Area
To calculate the perimeter and area of rectilinear shapes.
Key Vocab: length, width, rectilinear, polygon, cm², approximate, estimate.

Statistics
To read and interpret line graphs, two-way tables and timetables.
Key Vocab: data, scale, comparison, sum, difference, horizontal, vertical, x-axis, y-axis, plot, column, row.

Geometry: Shape
To explore angles.
Key Vocab: quarter turn, three-quarter turn, half turn, full turn, clockwise, anti-clockwise, right angle, acute, obtuse, degrees, protractor, perimeter, faces, edges, vertices.

Geometry: Position and Direction
To explore translation and reflection.
Key Vocab: horizontal, vertical, diagonal, x-axis, y-axis, coordinate, translate, up, down, left, right, reflect, symmetry.

Number: Decimals
To add and subtract decimals.
To multiply and divide by 10, 100 and 1000 with numbers involving decimals.
Key Vocab: tenths, hundredths, thousandths, decimal point, placeholder, place value column, exchange, increase, decrease.

Number: Negative Numbers
To understand negative numbers.
Key Vocab: -, warmer, colder, sequence, forwards, backwards, comparison, ascending, descending, difference.

Measurement: Converting Units
To explore kilograms, kilometres, millimetres and millilitres.
To convert between units of time.
Key Vocab: units of measure, equivalent, approximately equal, metric, imperial, convert, minutes, hours, days.

Measurement: Volume
To explore volume and capacity.
Key Vocab: cubic centimetre, cm³, greater, estimate.

| Year 6 | **Number: Place Value**
To explore numbers to 10,000,000.
<u>Key Vocab:</u> ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions, ten millions, placeholder, halfway, partition, power of, greater than, less than, estimate, ascending, descending, round, approximate, negative.

Number: Addition, Subtraction, Multiplication and Division
To solve problems involving addition, subtraction, multiplication and division (including long multiplication and long division).
To explore the order of operations.
<u>Key Vocab:</u> place value, common factor, common multiples, prime number, prime factor, square number, cube number, inverse, exchange, sum, difference, estimate, approximate, inverse, commutative, divisible, common, pair, systematic, placeholder, priority.

Number: Fractions A
To solve problems involving adding and subtracting fractions with different denominators.
<u>Key Vocab:</u> whole, numerator, denominator, simplified, simplest form, sum, equal parts, proper, improper, equivalent, common multiples.

Number: Fractions B
To solve problems involving fractions and multiplication and division.
To find trickier fractions of amounts.
<u>Key Vocab:</u> whole, numerator, denominator, integers, product, equal parts.

Measurement: Converting Units
To convert between miles and kilometres.
<u>Key Vocab:</u> units of measure, equivalent, approximately equal, metric, imperial, convert. | **Number: Ratio**
To solve problems involving ratio, proportion and scale.
<u>Key Vocab:</u> additive, multiplicative, common factor, :, equal parts, represent, scale factor, similar, enlargement.

Number: Algebra
To solve equations involving 2-steps.
<u>Key Vocab:</u> input, output, inverse, rule, expression, substitute, formulae, equation.

Number: Decimals
To multiply and divide decimal numbers by whole numbers.
To multiply and divide any number by 10, 100 and 1000.
<u>Key Vocab:</u> tenths, hundredths, thousandths, decimal point, equivalent, ascending, descending, round, halfway, placeholder, exchange, increase, decrease.

Number: Fractions, Decimals and Percentages
To convert between fractions, decimals and percentages.
To find percentages of amounts.
<u>Key Vocab:</u> equivalent, equal parts, whole, order.

Measurement: Area, Perimeter and Volume
To calculate the area of rectilinear shapes, triangles and parallelograms.
To find the volume of a cuboid.
<u>Key Vocab:</u> length, width, rectilinear, cm², approximate, estimate, right-angled, perpendicular, base.

Statistics
To read and interpret line graphs, dual bar charts and pie charts.
To calculate the mean.
<u>Key Vocab:</u> data, scale, intervals, comparison, horizontal, vertical, x-axis, y-axis, plot, column, row, equal parts, percent, average. | **Geometry: Shape**
To calculate angles on a straight line, round a point and in triangles, quadrilaterals and polygons.
To explore circles.
<u>Key Vocab:</u> right angle, acute, obtuse, degrees, protractor, vertically opposite, interior, exterior, isosceles, equilateral, scalene, regular, irregular, radius, diameter, circumference, net.

Geometry: Position and Direction
To solve problems with coordinates across all four quadrants.
<u>Key Vocab:</u> horizontal, vertical, diagonal, x-axis, y-axis, coordinate, translate, up, down, left, right, reflect, symmetry, positive, negative,

Themed Projects
Consolidation of learning through problem solving.
Recap and revision in preparation for secondary school. |