

For specific objectives, please refer directly to the National Curriculum documents.

MATHS THEMES								
	Number & Place value	Four operations	Fractions, Decimals & Percentages	Geometry	Measurement	Statistics	Ratio & Proportion	Algebra
KS1 Key concepts	Count in steps forwards & backwards Recognise place value Read & write numbers Compare & order	Multiplication 2, 5, 10 Addition Subtraction Multiplication Division	Find fractions of objects, shapes, etc. Write simple fractions	Patterns & Sequences Turns Properties of 2D Properties of 3D	Standard units Compare & order Money Time	Pictograms Tally charts Tables Block diagrams		
LKS2 Key concepts	Count in multiples Negative numbers Ordering Comparing Rounding Roman Numerals (100)	Multiplication 12 x 12 Factor pairs Addition Subtraction Multiplication Division Inverse	Count in tenths Common equivalents Quantities Add & subtract same denominator Value of decimals Common FD equivalents	Parallel & Perpendicular First quadrant Translation Classify geometric shapes Lines of symmetry Types of angles	Convert between units Perimeter Money Time	Bar charts Time graphs Tables		
UKS2 Key concepts	Value of Digits Rounding Comparing Ordering Negative numbers Roman numerals	Addition Subtraction Multiplication Division Squares, Cubes, Primes BIDMAS	Simplify Equivalence Compare & Order Multiply fractions & decimals Divide fractions & decimals Fractions of amounts Recognise % FDP equivalence	Reflection Translation Four quadrants 2D & 3D shapes Angles Parts of circles	Convert metric units Perimeter Area Volume Time Miles & kilometres	Line graphs Timetables Pie charts Mean average	Percentages of amounts Scaling	Simple formula Number sequences Equations

## MATHS TIER 3 VOCABULARY

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>Number and Place Value</b> Subitise, ordinal, multiples, partitioning</p>	<p><b>Number and Place Value</b> estimate</p>	<p><b>Number and Place Value</b> ascending, descending</p>	<p><b>Number and Place Value</b> Negative numbers, roman numerals</p>	<p><b>Number and Place Value</b> Powers of, integer</p>	<p><b>Number and Place Value</b> Composite number</p>
<p><b>Addition and Subtraction</b> Digit, inverse</p>	<p><b>Addition and Subtraction</b> Commutative, columns</p>	<p><b>Addition and Subtraction</b> Columns, exchange</p>	<p><b>Addition and Subtraction</b> Operation</p>		<p><b>Algebra</b> Formulae, linear sequences, equation, algebraically</p>
<p><b>Multiplication and Division</b> Multiply, divide, array</p>	<p><b>Multiplication and Division</b> Commutative</p>	<p><b>Multiplication and Division</b> Exchange, correspondence, derived facts</p>	<p><b>Multiplication and Division</b> Factor pairs, distributive, remainders</p>	<p><b>Multiplication and Division</b> Multiples, factors, prime, product, dividend, divisor, quotient,</p>	<p><b>Multiplication and Division</b> Long division</p>
<p><b>Fractions, Decimals, Percentages</b> Half, quarter, equal parts</p>	<p><b>Fractions, Decimals, Percentages</b> Equivalent, unit fraction, non unit fraction, numerator, denominator</p>	<p><b>Fractions, Decimals, Percentages</b> Tenths</p>	<p><b>Fractions, Decimals, Percentages</b> Hundredths, equivalence, convert, proper fractions, improper fractions</p>	<p><b>Fractions, Decimals, Percentages</b> Thousandths, mixed number, complements, per cent</p>	<p><b>Ratio and Proportion</b> Relative size, integer multiplication, percentages, scale factor</p>
<p><b>Measure</b> Length, non-standard, capacity, mass, volume, chronological, o'clock, pounds</p>	<p><b>Measure</b> Standard unit, time interval, duration, value, kilo, celsius</p>	<p><b>Measure</b> Analogue, perimeter</p>	<p><b>Measure</b> Rectilinear, conversion</p>	<p><b>Measure</b> Regular polygon, irregular polygon, scaling, imperial, metric, compound shape</p>	<p><b>Measure</b> Conversion, parallelograms, cubic</p>
<p><b>Geometry</b> Characteristics, faces</p>	<p><b>Geometry</b> Line of symmetry, vertex, vertices</p>	<p><b>Geometry</b> Properties, polygon, prism, orientation, perpendicular, parallel</p>	<p><b>Geometry</b> geometric, quadrilateral, trapezoid</p>	<p><b>Geometry</b> Reflex, degrees, vertically opposite, dimensions</p>	<p><b>Geometry</b> Axis of symmetry, congruent</p>