

Long Term Curriculum Map

Curriculum Area: **MATHS**

It should be noted that it is only statutorily required to cover each Key Stage's content by the end of the key stage. It is for schools to decide on the most appropriate ordering for their situation.

	Rec	Y1	2	3	4	5	6
Theme/ Focus	Baseline; counting and recognising; 2D shape; money; addition and subtraction.	PV(10); addition and subtraction (10); shape; PV (20).	Number – PV; addition and subtraction; money; multiplication and division.	Number – PV; addition and subtraction, multiplication and division.	Number - PV; addition and subtraction; measurement – length and perimeter; number – multiplication and division	Number – Place value; addition, subtraction; statistics; multiplication and division; perimeter and area.	Number – Place value, addition, subtraction multiplication and division; Fractions; Geometry.
	Counting and recognising; size, weight & capacity; addition and subtraction; 3D shapes; time.	Addition and subtraction (20); PV (50); length and height; weight and volume.	Number – multiplication and division; statistics; shape; fraction; length and height	Number - Multiplication and division; money; statistics, length and perimeter; fractions	Number - multiplication and division; area; fractions; decimals.	Multiplication and division; fractions; decimals and percentages	Number – decimals; percentage; algebra; converting units; measurement, perimeter, area and volume; ratio.
	Counting and recognising; addition and subtraction; doubling, halving and sharing; position and direction	Multiplication and division, fractions; position and direction; PV(100), money; time.	Position and direction; problem solving; time; mass, capacity and temperature; investigations SATS	Number – fractions; time; shape; mass and capacity.	Number – decimal; money; time; statistics; shape; position and direction.	Number: geometry; measurement.	Geometry; problem solving; statistics; investigations, SATS
NC Statutory requirements		<p>Number/Calculation</p> <ul style="list-style-type: none"> Count to / across 100 Count in 1s, 2s, 5s and 10s Identify 'one more' and 'one less' Read & write numbers to 20 Use language, e.g. 'more than', 'most' Use +, - and = symbols Know number bonds to 20 add and subtract one-digit and two-digit numbers to 20, including zero Solve one-step problems, including simple arrays <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest Begin to measure length, capacity, weight Recognise coins & notes Use time & ordering 	<p>Number/Calculation</p> <ul style="list-style-type: none"> Know 2, 5, 10x tables Begin to use place value (T/U) Count in 2s, 3s, 5s & 10s Identify, represent & estimate numbers Compare / order numbers, inc. < > = Write numbers to 100 Know number facts to 20 (+ related to 100) Use x and ÷ symbols Recognise commutative property of multiplication <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Know and use standard measures Read scales to nearest whole unit Use symbols for £ and p and add/subtract 	<p>Number/Calculation</p> <ul style="list-style-type: none"> Learn 3, 4 & 8x tables Secure place value to 100 Mentally add & subtract units, tens or hundreds to numbers of up to 3 digits Written column addition & subtraction Solve number problems, including multiplication & simple division and missing number problems Use commutativity to help calculations <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Measure & calculate with metric measures Measure simple perimeter Add/subtract using money in context 	<p>Number/Calculation</p> <ul style="list-style-type: none"> Know all tables to 12 x 12 Secure place value to 1000 Use negative whole numbers Round numbers to nearest 10, 100 or 1000 Use Roman numerals to 100 (C) Column addition & subtraction up to 4 digits Multiply & divide mentally Use standard short multiplication <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Compare 2-d shapes, including quadrilaterals & triangles Find area by counting squares 	<p>Number/Calculation</p> <ul style="list-style-type: none"> Secure place value to 1,000,000 Use negative whole numbers in context Use Roman numerals to 1000 (M) Use standard written methods for all four operations Confidently add & subtract mentally Use vocabulary of prime, factor & multiple Multiply & divide by powers of ten Use square and cube numbers <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Convert between different units Calculate perimeter of composite shapes & area of rectangles 	<p>Number/Calculation</p> <ul style="list-style-type: none"> Secure place value & rounding to 10,000,000, including negatives All written methods, including long division Use order of operations (not indices) Identify factors, multiples & primes Solve multi-step number problems <p>Algebra</p> <ul style="list-style-type: none"> Introduce simple use of unknowns <p>Mathematics</p> <p>Geometry & Measures</p> <ul style="list-style-type: none"> Confidently use a range of measures & conversions Calculate area of triangles / parallelograms Use area & volume formulas

		<p>vocabulary</p> <ul style="list-style-type: none"> •Tell the time to hour/half-hour •Use language of days, weeks, months & years •Recognise & name common 2-d and 3-d shapes •Order & arrange objects •Describe position & movement, including half and quarter turns <p>Fractions</p> <ul style="list-style-type: none"> •Recognise & use $\frac{1}{2}$ & $\frac{1}{4}$ 	<p>simple sums of less than £1 or in pounds</p> <ul style="list-style-type: none"> •Tell time to the nearest 5 minutes •Identify & sort 2-d & 3-d shapes •Identify 2-d shapes on 3-d surfaces •Order and arrange mathematical objects •Use terminology of position & movement <p>Fractions</p> <ul style="list-style-type: none"> •Find and write simple fractions •Understand equivalence of e.g. $\frac{2}{4} = \frac{1}{2}$ <p>Data</p> <ul style="list-style-type: none"> •Interpret simple tables & pictograms •Ask & answer comparison questions •Ask & answer questions about totalling 	<ul style="list-style-type: none"> •Use Roman numerals up to XII; tell time •Calculate using simple time problems •Draw 2-d / Make 3-d shapes •Identify and use right angles •Identify horizontal, vertical, perpendicular and parallel lines <p>Fractions & decimals</p> <ul style="list-style-type: none"> •Use & count in tenths •Recognise, find & write fractions •Recognise some equivalent fractions •Add/subtract fractions up to <1 •Order fractions with common denominator <p>Data</p> <ul style="list-style-type: none"> •Interpret bar charts & pictograms 	<ul style="list-style-type: none"> •Calculate rectangle perimeters •Estimate & calculate measures •Identify acute, obtuse & right angles •Identify symmetry •Use first quadrant coordinates •Introduce simple translations <p>Data</p> <ul style="list-style-type: none"> •Use bar charts, pictograms & line graphs <p>Fractions & decimals</p> <ul style="list-style-type: none"> •Recognise tenths & hundredths •Identify equivalent fractions •Add & subtract fractions with common denominators •Recognise common equivalents •Round decimals to whole numbers •Solve money problem 	<ul style="list-style-type: none"> •Estimate volume & capacity •Identify 3-d shapes •Measure & identify angles •Understand regular polygons Reflect & translate shapes <p>Data</p> <ul style="list-style-type: none"> •Interpret tables & line graphs •Solve questions about line graphs <p>Fractions</p> <ul style="list-style-type: none"> •Compare & order fractions •Add & subtract fractions with common denominators, with mixed numbers •Multiply fractions by units •Write decimals as fractions •Order & round decimal numbers •Link percentages to fractions & decimals 	<ul style="list-style-type: none"> •Classify shapes by properties •Know and use angle rules •Translate & reflect shapes, using all four quadrants <p>Data</p> <ul style="list-style-type: none"> •Use pie charts •Calculate mean averages <p>Fractions, decimals & percentages</p> <ul style="list-style-type: none"> •Compare & simplify fractions •Use equivalents to add fractions •Multiply simple fractions •Divide fractions by whole numbers •Solve problems using decimals & percentages •Use written division up to 2dp •Introduce ratio & proportion
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