



Beckwithshaw Community Primary School
National and School Curriculum
Maths Overview by Year Group

MATHS	Number & Calculation	Algebra	Geometry & Measures	Data	Fractions, Decimals & Percentages
Year 1	<p>Count to / across 100 Count in 1s, 2s, 5s & 10s Identify 'one more' & 'one less' Read & write numbers to 20 Use language eg: 'more than', 'most' Use +, - & = symbols Know number bonds to 20 add & subtract one digit & two digit numbers to 20, including zero Solve one step problems, including simple arrays</p>	Not taught in this year group	<p>Use common vocabulary for comparison, eg: heavier, taller, full, longest, quickest etc Begin to measure length, capacity, weight Recognise coins & notes Use time & ordering vocabulary Tell the time to hour / half hour Use language of days, weeks, months & years Recognise & name common 2-d & 3-d shapes Order & arrange objects Describe position & movement including half & quarter turns</p>	Not taught in this year group	Recognise & use $\frac{1}{2}$ & $\frac{1}{4}$
Year 2	<p>Know 2, 5 & 10 x tables Begin to use place value (Tens & Units) Count in 2s, 3s, 5s & 10s</p>	Not taught in this year group	<p>Know & use standard measures Read scales to the nearest whole unit</p>	<p>Interpret simple tables & pictograms Ask & answer comparison questions</p>	<p>Find & write simple fractions Understand equivalence of eg:</p>



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	<p>Identify, represent & estimate numbers Compare / order numbers, including $<$ $>$ $=$ Write numbers to 100 Know number facts to 20 (+ related to 100) Use multiply & divide symbols Recognise, commutative property of multiplication</p>		<p>Use symbols for £ and p & add / subtract simple sums of less than £1 or in pounds Tell the time to the nearest 5 minutes Identify & sort 2-d & 3-d shapes Identify 2-d shapes on 3-d surfaces Order & arrange mathematical objects Use terminology of position & movement</p>	<p>Ask & answer questions about totalling</p>	<p>$\frac{2}{4} = \frac{1}{2}$</p>
Year 3	<p>Learn 3, 4 & 8 x tables Secure place value to 100 Mentally add & subtract units, tens or hundreds to numbers of up to 3 digits Write column addition & subtraction Solve number problems, including multiplication & simple division & missing number problems</p>	<p>Not taught in this year group</p>	<p>Measure & calculate with metric measures Measure simple perimeter Add/Subtract using money in context Use Roman numerals up to XII Tell the time Calculate using simple time problems</p>	<p>Interpret bar charts & pictograms</p>	<p>Use & count in tenths Recognise, find & write fractions Recognise some equivalent fractions Add/subtract fraction up to <1 Order fractions with common denominator</p>



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	Use commutativity to help calculations		Draw 2-d/Make 3-d shapes Identify & use right angles Identify horizontal, vertical, perpendicular & parallel lines		
Year 4	Know all tables to 12 x 12 Secure place value to 1000 Use negative numbers Round numbers to 10, 100 or 1000 Use Roman numerals to 100 (C) Column addition & subtraction up to four digits Multiply & divide mentally Use standard short multiplication	Not taught in this year group	Compare 2-d shapes, including quadrilaterals & triangles Find area by counting squares Calculate rectangle perimeters Estimate & calculate measures Identify acute, obtuse & right angles Identify symmetry Use first quadrant co-ordinates Introduce simple translations	Use bar charts, pictograms & line graphs	Recognise tenths & hundredths Identify equivalent fractions Add & subtract fractions with common denominators Recognise common equivalents Round decimals to whole numbers Solve money problems



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Year 5	<p>Secure place value to 1,000,000</p> <p>Use negative whole numbers in context</p> <p>Use Roman numerals to 1000 (M)</p> <p>Use standard written methods for all four operations</p> <p>Confidently add & subtract mentally</p> <p>Use vocabulary of prime, factor & multiple</p> <p>Multiply & divide by powers of ten</p> <p>Use square & cube numbers</p>	Not taught in this year group	<p>Convert between different units</p> <p>Calculate perimeter of composite shapes & area of rectangles</p> <p>Estimate volume & capacity</p> <p>Identify 3d shapes</p> <p>Measure & identify angles</p> <p>Understand regular polygons</p> <p>Reflect & translate shapes</p>	<p>Interpret tables & line graphs</p> <p>Solve questions about line graphs</p>	<p>Compare & order fractions</p> <p>Add & subtract fractions with common denominators, with mixed numbers</p> <p>Multiply fractions by units</p> <p>Write decimals as fractions</p> <p>Order & round decimal numbers</p> <p>Link percentages to fractions & decimals</p>
Year 6	<p>Secure place value & rounding to 10,000,000, including negatives</p> <p>All written methods, including long division</p> <p>Use order of operations (not indices)</p> <p>Identify factors,</p>	Introduce simple use of unknowns	<p>Confidently use a range of measures & conversions</p> <p>Calculate area of triangles / parallelograms</p> <p>Use area & volume formulas</p> <p>Classify shapes by</p>	<p>Use pie charts</p> <p>Calculate mean averages</p>	<p>Compare & simplify fractions</p> <p>Use equivalent to add fractions</p> <p>Multiply simple fractions</p> <p>Divide fractions by whole numbers</p>



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	multiples & prime numbers Solve multi - step problems		properties Know & use angle rules Translate & reflect shapes, using all four quadrants		Solve problems using decimals & percentages Use written division up to to 2 decimal places Introduce ratio & proportion
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