

Numeracy Year Group Overview



	Autumn	Spring	Summer
Year 1	Number/Calculation <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 	Geometry & Measures <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 vocabulary ✓ 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 	<ul style="list-style-type: none"> ✓ Describe position & movement, including half and quarter turns Fractions ✓ Recognise & use $\frac{1}{2}$ & $\frac{1}{4}$
Year 2	Number/Calculation <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 \times and \div symbols ✓ Recognise commutative property of multiplication 	Geometry & Measures <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 simple sums of less than £1 or in pounds ✓ 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 	Fractions <ul style="list-style-type: none"> ✓ Find and write simple fractions ✓ Understand equivalence of e.g. $\frac{2}{4} = \frac{1}{2}$ Data ✓ Interpret simple tables & pictograms ✓ Ask & answer comparison questions ✓ Ask & answer questions about totalling
Year 3	Number/Calculation <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 commutatively to help calculations 	Geometry & Measures <ul style="list-style-type: none"> ✓ Measure & calculate with metric measures ✓ Measure simple perimeter ✓ Add/subtract using money in context ✓ 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 	Fractions & decimals <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 Data ✓ Interpret bar charts & pictograms

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Year 4	<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>Geometry & Measures</p> <ul style="list-style-type: none"> ✓ 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 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 problems
Year 5	<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>Geometry & Measures</p> <ul style="list-style-type: none"> ✓ Convert between different units ✓ Calculate perimeter of composite shapes & area of rectangles ✓ 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
Year 6	<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>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 ✓ 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

