

## Numeracy Curriculum Map

Year 1		
<p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li>☐ Count to / across 100</li> <li>☐ Count in 1s, 2s, 5s and 10s</li> <li>☐ Identify 'one more' and 'one less'</li> <li>☐ Read &amp; write numbers to 20</li> <li>☐ Use language, e.g. 'more than', 'most'</li> <li>☐ Use +, - and = symbols</li> <li>☐ Know number bonds to 20</li> <li>☐ add and subtract one-digit and two-digit numbers to 20, including zero</li> <li>☐ Solve one-step problems, including simple arrays</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li>☐ Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest</li> <li>☐ Begin to measure length, capacity, weight</li> <li>☐ Recognise coins &amp; notes</li> <li>☐ Use time &amp; ordering vocabulary</li> <li>☐ Tell the time to hour/half-hour</li> <li>☐ Use language of days, weeks, months &amp; years</li> <li>☐ Recognise &amp; name common 2-d and 3-d shapes</li> <li>☐ Order &amp; arrange objects</li> <li>☐ Describe position &amp; movement, including half and quarter turns</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>☐ Recognise &amp; use <math>\frac{1}{2}</math> &amp; <math>\frac{1}{4}</math></li> </ul>
Year 2		
<p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li>☐ Know 2, 5, 10x tables</li> <li>☐ Begin to use place value (T/U)</li> <li>☐ Count in 2s, 3s, 5s &amp; 10s</li> <li>☐ Identify, represent &amp; estimate numbers</li> <li>☐ Compare / order numbers, inc. &lt; &gt; =</li> <li>☐ Write numbers to 100</li> <li>☐ Know number facts to 20 (+ related to 100)</li> <li>☐ Use x and ÷ symbols</li> <li>☐ Recognise commutative property of multiplication</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li>☐ Know and use standard measures</li> <li>☐ Read scales to nearest whole unit</li> <li>☐ Use symbols for £ and p and add/subtract simple sums of less than £1 or in pounds</li> <li>☐ Tell time to the nearest 5 minutes</li> <li>☐ Identify &amp; sort 2-d &amp; 3-d shapes</li> <li>☐ Identify 2-d shapes on 3-d surfaces</li> <li>☐ Order and arrange mathematical objects</li> <li>☐ Use terminology of position &amp; movement</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>☐ Find and write simple fractions</li> <li>☐ Understand equivalence of e.g. <math>\frac{2}{4} = \frac{1}{2}</math></li> </ul> <p><b>Data</b></p> <ul style="list-style-type: none"> <li>☐ Interpret simple tables &amp; pictograms</li> <li>☐ Ask &amp; answer comparison questions</li> <li>☐ Ask &amp; answer questions about totalling</li> </ul>

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Year 3		
<p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Learn 3, 4 &amp; 8x tables</li> <li><input type="checkbox"/> Secure place value to 100</li> <li><input type="checkbox"/> Mentally add &amp; subtract units, tens or hundreds to numbers of up to 3 digits</li> <li><input type="checkbox"/> Written column addition &amp; subtraction</li> <li><input type="checkbox"/> Solve number problems, including multiplication &amp; simple division and missing number problems</li> <li><input type="checkbox"/> Use commutativity to help calculations</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Measure &amp; calculate with metric measures</li> <li><input type="checkbox"/> Measure simple perimeter</li> <li><input type="checkbox"/> Add/subtract using money in context</li> <li><input type="checkbox"/> Use Roman numerals up to XII; tell time</li> <li><input type="checkbox"/> Calculate using simple time problems</li> <li><input type="checkbox"/> Draw 2-d / Make 3-d shapes</li> <li><input type="checkbox"/> Identify and use right angles</li> <li><input type="checkbox"/> Identify horizontal, vertical, perpendicular and parallel lines</li> </ul>	<p><b>Fractions &amp; decimals</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use &amp; count in tenths</li> <li><input type="checkbox"/> Recognise, find &amp; write fractions</li> <li><input type="checkbox"/> Recognise some equivalent fractions</li> <li><input type="checkbox"/> Add/subtract fractions up to &lt;1</li> <li><input type="checkbox"/> Order fractions with common denominator</li> </ul> <p><b>Data</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Interpret bar charts &amp; pictograms</li> </ul>
Year 4		
<p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Know all tables to 12 x 12</li> <li><input type="checkbox"/> Secure place value to 1000</li> <li><input type="checkbox"/> Use negative whole numbers</li> <li><input type="checkbox"/> Round numbers to nearest 10, 100 or 1000</li> <li><input type="checkbox"/> Use Roman numerals to 100 (C)</li> <li><input type="checkbox"/> Column addition &amp; subtraction up to 4 digits</li> <li><input type="checkbox"/> Multiply &amp; divide mentally</li> <li><input type="checkbox"/> Use standard short multiplication</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <p>Compare 2-d shapes, including quadrilaterals &amp; triangles</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Find area by counting squares</li> <li><input type="checkbox"/> Calculate rectangle perimeters</li> <li><input type="checkbox"/> Estimate &amp; calculate measures</li> <li><input type="checkbox"/> Identify acute, obtuse &amp; right angles</li> <li><input type="checkbox"/> Identify symmetry</li> <li><input type="checkbox"/> Use first quadrant coordinates</li> <li><input type="checkbox"/> Introduce simple translations</li> </ul> <p><b>Data</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use bar charts, pictograms &amp; line graphs</li> </ul>	<p><b>Fractions &amp; decimals</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Recognise tenths &amp; hundredths</li> <li><input type="checkbox"/> Identify equivalent fractions</li> <li><input type="checkbox"/> Add &amp; subtract fractions with common denominators</li> <li><input type="checkbox"/> Recognise common equivalents</li> <li><input type="checkbox"/> Round decimals to whole numbers</li> <li><input type="checkbox"/> Solve money problems</li> </ul>

# Numeracy Curriculum Map

<p><b>Year 5</b></p> <p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li>☐ Secure place value to 1,000,000</li> <li>☐ Use negative whole numbers in context</li> <li>☐ Use Roman numerals to 1000 (M)</li> <li>☐ Use standard written methods for all four operations</li> <li>☐ Confidently add &amp; subtract mentally</li> <li>☐ Use vocabulary of prime, factor &amp; multiple</li> <li>☐ Multiply &amp; divide by powers of ten</li> <li>☐ Use square and cube numbers</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li>☐ Convert between different units</li> <li>☐ Calculate perimeter of composite shapes &amp; area of rectangles</li> <li>☐ Estimate volume &amp; capacity</li> <li>☐ Identify 3-d shapes</li> <li>☐ Measure &amp; identify angles</li> <li>☐ Understand regular polygons</li> </ul> <p><b>Reflect &amp; translate shapes</b></p> <p><b>Data</b></p> <ul style="list-style-type: none"> <li>☐ Interpret tables &amp; line graphs</li> <li>☐ Solve questions about line graphs</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>☐ Compare &amp; order fractions</li> <li>☐ Add &amp; subtract fractions with common denominators, with mixed numbers</li> <li>☐ Multiply fractions by units</li> <li>☐ Write decimals as fractions</li> <li>☐ Order &amp; round decimal numbers</li> <li>☐ Link percentages to fractions &amp; decimals</li> </ul>
<p><b>Year 6</b></p> <p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li>☐ Secure place value &amp; rounding to 10,000,000, including negatives</li> <li>☐ All written methods, including long division</li> <li>☐ Use order of operations (not indices)</li> <li>☐ Identify factors, multiples &amp; primes</li> <li>☐ Solve multi-step number problems</li> </ul> <p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>☐ Introduce simple use of unknowns</li> </ul>	<p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li>☐ Confidently use a range of measures &amp; conversions</li> <li>☐ Calculate area of triangles / parallelograms</li> <li>☐ Use area &amp; volume formulas</li> <li>☐ Classify shapes by properties</li> <li>☐ Know and use angle rules</li> <li>☐ Translate &amp; reflect shapes, using all four quadrants</li> </ul> <p><b>Data</b></p> <ul style="list-style-type: none"> <li>☐ Use pie charts</li> <li>☐ Calculate mean averages</li> </ul>	<p><b>Fractions, decimals &amp; percentages</b></p> <ul style="list-style-type: none"> <li>☐ Compare &amp; simplify fractions</li> <li>☐ Use equivalents to add fractions</li> <li>☐ Multiply simple fractions</li> <li>☐ Divide fractions by whole numbers</li> <li>☐ Solve problems using decimals &amp; percentages</li> <li>☐ Use written division up to 2dp</li> <li>☐ Introduce ratio &amp; proportion</li> </ul>