

## Maths Whole School Overview of Learning

YEAR GROUP	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING2	SUMMER 1	SUMMER 2
Reception	<p><b>Taught through:</b> White Rose Maths, Maths No Problem, Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> Getting to Know You Just like me!</p> <ul style="list-style-type: none"> <li>✓ Number and place value. Numbers 1,2,3.</li> <li>✓ Counting rhymes.</li> <li>✓ Numberblocks 1-3.</li> <li>✓ 1:1 counting objects – 1-3</li> <li>✓ Odd &amp; even numbers</li> <li>✓ One more, one less</li> <li>✓ Match, sort and compare amounts</li> <li>✓ Compare size, mass &amp; capacity.</li> <li>✓ Exploring pattern</li> <li>✓ What do you notice activities.</li> <li>✓ Explore routines &amp; structures of the day – positional language.</li> <li>✓ Time</li> <li>✓ Money</li> </ul>	<p><b>Taught through:</b> White Rose Maths, Maths No Problem &amp; Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> It's Me 1 2 3! Light &amp; Dark</p> <ul style="list-style-type: none"> <li>✓ Number and place value.</li> <li>✓ Numbers 1,2,3,4,5.</li> <li>✓ Numberblocks 1-5.</li> <li>✓ 1:1 counting objects – 1-5</li> <li>✓ One more, one less</li> <li>✓ Odd &amp; even numbers</li> <li>✓ Representing 1,2,3</li> <li>✓ Comparing 1,2,3</li> <li>✓ Composition of 1,2,3</li> <li>✓ Representing numbers to 5.</li> <li>✓ Investigating circles &amp; triangles.</li> <li>✓ Investigating shapes with 4 sides</li> <li>✓ What do you notice activities.</li> <li>✓ Positional Language</li> <li>✓ Time</li> <li>✓ Money</li> </ul>	<p><b>Taught through:</b> White Rose Maths, Maths No Problem &amp; Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> Alive in 5 Growing 6,7,8</p> <ul style="list-style-type: none"> <li>✓ Number and place value</li> <li>✓ Numbers – 5,6,7,8</li> <li>✓ Numberblocks – 5,6,7,8</li> <li>✓ 1:1 counting objects - 1-8</li> <li>✓ Odd &amp; even numbers</li> <li>✓ One more, one less</li> <li>✓ Introducing zero</li> <li>✓ Comparing numbers to 5</li> <li>✓ Composition of 4 &amp; 5</li> <li>✓ Bonds to 5</li> <li>✓ Compare mass &amp; capacity</li> <li>✓ Making pairs – 6,7,8</li> <li>✓ Combining two groups</li> <li>✓ What do you notice activities.</li> <li>✓ Length &amp; Height</li> <li>✓ Time</li> <li>✓ Money</li> </ul>	<p><b>Taught through:</b> White Rose Maths, Maths No Problem &amp; Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> Alive in 5 Growing 6,7,8 Building 9 &amp; 10</p> <ul style="list-style-type: none"> <li>✓ Number and place value.</li> <li>✓ Numbers – 5,6,7,8, 9, 10</li> <li>✓ Numbers – 9 &amp; 10</li> <li>✓ Numberblocks – 5,6,7,8, 9, 10</li> <li>✓ 1:1 counting objects - 1-10</li> <li>✓ Odd &amp; even numbers</li> <li>✓ One more, one less</li> <li>✓ Comparing numbers to 10</li> <li>✓ Bonds to 10</li> <li>✓ What do you notice activities.</li> <li>✓ 3D Shapes</li> <li>✓ Pattern</li> <li>✓ Time</li> <li>✓ Money</li> </ul>	<p><b>Taught through:</b> White Rose Maths, Maths No Problem &amp; Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> To 20 and beyond First, Then, Now</p> <ul style="list-style-type: none"> <li>✓ Number and place value.</li> <li>✓ Numbers – 10-20 &amp; beyond</li> <li>✓ Numberblocks – 10-20</li> <li>✓ 1:1 counting objects - 1-10 &amp; beyond</li> <li>✓ Odd &amp; even numbers</li> <li>✓ One more, one</li> <li>✓ Building numbers beyond 10</li> <li>✓ Counting patterns beyond 10</li> <li>✓ Adding more &amp; taking away</li> <li>✓ What do you notice activities.</li> <li>✓ Spatial Reasoning – Match, Rotate, Manipulate</li> <li>✓ Spatial Reasoning – Compose &amp; Decompose</li> </ul>	<p><b>Taught through:</b> White Rose Maths, Maths No Problem &amp; Numberblocks (NCETM planning). <b>White Rose Maths Units:</b> Find my Pattern On the Move</p> <ul style="list-style-type: none"> <li>✓ Investigating and applying numbers 1-20 and beyond.</li> <li>✓ Numberblocks 1-20</li> <li>✓ One more, one less</li> <li>✓ Odd &amp; Even numbers</li> <li>✓ Doubling</li> <li>✓ Sharing &amp; Grouping</li> <li>✓ Deepening Understanding</li> <li>✓ Patterns &amp; Relationships</li> <li>✓ Spatial Reasoning – Visualise &amp; Build</li> <li>✓ Spatial Reasoning - Mapping</li> </ul>
Year 1	<p><b>NUMBER:</b> Place Value – numbers to 10 Addition and Subtraction</p>	<p><b>GEOMETRY:</b> Position and Direction <b>NUMBER:</b> Place value – Numbers to 20 Addition and Subtraction within 20</p>	<p><b>NUMBER:</b> Addition and Subtraction <b>GEOMETRY:</b> Properties of shape <b>MEASUREMENT:</b> Length/Height <i>*Consolidation/review time to commit learning to LTM</i></p>	<p><b>NUMBER:</b> Place Value - Numbers to 40 Addition and Subtraction Multiplication</p>	<p><b>NUMBER:</b> Multiplication Division Fractions Place Value – Numbers to 100 <b>MEASUREMENT:</b> Time Money</p>	<p><b>MEASUREMENT:</b> Volume and Capacity Mass <b>GEOMETRY:</b> Position and Direction  <i>*Consolidation/review time to commit learning to LTM</i></p>
Year 2	<p><b>NUMBER:</b> Place Value – numbers to 100 Addition and Subtraction Multiplication</p>	<p><b>NUMBER:</b> Multiplication and Division <b>MEASUREMENT:</b> Length Mass Temperature</p>	<p><b>STATISTICS:</b> Picture graphs <b>NUMBER:</b> Calculations – word problems <b>GEOMETRY:</b> Properties of shape 2D</p>	<p><b>GEOMETRY:</b> Properties of shape 2D &amp; 3D <b>NUMBER:</b> Fractions  <i>*Consolidation/review time to commit learning to LTM</i></p>	<p><b>MEASUREMENT:</b> Time Volume  <i>*Consolidation/review time to commit learning to LTM</i></p>	<p>Application of maths in different contexts – review and revisit  <i>*Time to consolidate any learning required to be secondary ready</i></p>
Year 3	<p><b>NUMBER:</b> Place Value Addition and subtraction</p>	<p><b>NUMBER:</b> Addition and subtraction Multiplication and division</p>	<p><b>NUMBER:</b> Multiplication and division <b>MEASUREMENT:</b> Money <b>STATISTICS</b> Tally Charts, Pictograms, Bar Charts, Tables</p>	<p><b>MEASUREMENT:</b> Length and perimeter <b>NUMBER:</b> Fractions</p>	<p><b>NUMBER:</b> Fractions <b>MEASUREMENTS:</b> Time</p>	<p><b>GEOMETRY:</b> Properties of shape <b>MEASUREMENT:</b> Mass and capacity  <i>*Consolidation time to commit learning to LTM</i></p>
Year 4	<p><b>NUMBER:</b> Place Value Addition and subtraction</p>	<p><b>MEASUREMENT:</b> Area <b>NUMBER:</b> Multiplication and division</p>	<p><b>NUMBER:</b> Multiplication and division <b>MEASUREMENT:</b> Length and perimeter <b>NUMBER:</b> Fractions</p>	<p><b>NUMBER:</b> Fractions Decimals</p>	<p><b>NUMBER:</b> Decimals <b>MEASUREMENT:</b> Money <b>MEASUREMENT:</b> Time</p>	<p><b>STATISTICS</b> Interpret charts/graphs <b>GEOMETRY:</b> Properties of shape Position and direction  <i>*Consolidation time to commit learning to LTM</i></p>
Year 5	<p><b>NUMBER:</b> Place Value Addition and subtraction <b>STATISTICS</b> Interpreting/drawing charts, line graphs, timetables</p>	<p><b>NUMBER:</b> Multiplication and division <b>MEASUREMENT:</b> Perimeter and area</p>	<p><b>NUMBER:</b> Multiplication and division Fractions</p>	<p><b>NUMBER:</b> Fractions Decimals and percentages</p>	<p><b>NUMBER:</b> Decimals <b>GEOMETRY:</b> Properties of shape</p>	<p><b>GEOMETRY:</b> Position and direction <b>MEASUREMENT:</b> Converting units Volume</p>
Year 6	<p><b>NUMBER:</b> Place Value Addition and subtraction Multiplication and division</p>	<p><b>NUMBER:</b> Fractions <b>GEOMETRY:</b> Position and direction</p>	<p><b>NUMBER:</b> Decimals Percentages Algebra <b>MEASUREMENT:</b> Converting units</p>	<p><b>MEASUREMENT:</b> Perimeter, area and volume <b>NUMBER:</b> Ratio</p>	<p><b>STATISTICS</b> Drawing and interpreting. Circles Average <b>GEOMETRY:</b> Properties of shape <i>*Consolidation of areas of weakness in application of knowledge to problem solve and reason</i></p>	<p>Application of maths in different contexts  <i>*Time to consolidate any learning required to be secondary ready</i></p>