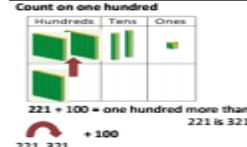
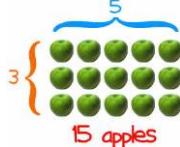
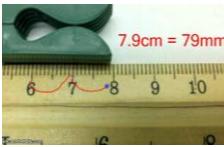
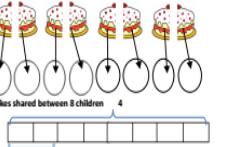
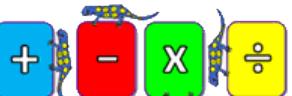
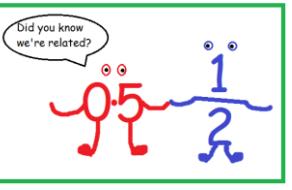
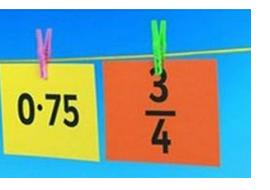


## Curriculum Overview: Mathematics

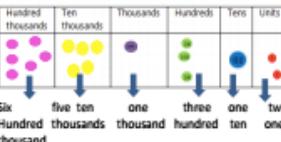
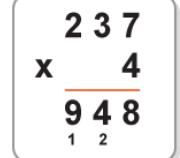
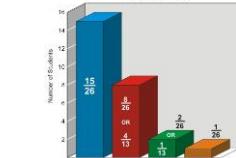
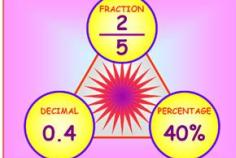
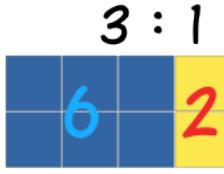
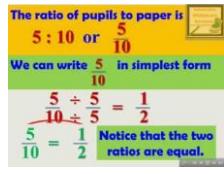
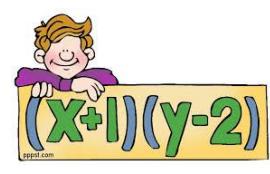
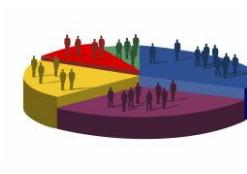
 Mathematics at Morningside  
 Mastering Maths


Autumn 1		Autumn 2		Spring 1	Spring 2	Summer 1	Summer 2
Year 1							
	<b>We are fluent up to 10.</b> <ul style="list-style-type: none"> <li>Counting</li> <li>Ordering</li> <li>Comparing</li> <li>Adding (10)</li> <li>Subtraction (10)</li> </ul>	<b>We are fluent up to 20.</b> <ul style="list-style-type: none"> <li>Ordering</li> <li>One more</li> <li>One less</li> <li>Addition (20)</li> <li>Subtraction (20)</li> </ul>	<b>We are counting up to 40.</b> <ul style="list-style-type: none"> <li>Counting</li> <li>Comparing</li> <li>Number facts</li> <li>Addition (40)</li> <li>Subtraction (40)</li> </ul>	<b>We are counting up to 100.</b> <ul style="list-style-type: none"> <li>Counting</li> <li>Adding (100)</li> <li>Subtraction (100)</li> <li>Multiplication</li> <li>Time</li> </ul>	<b>We are measuring and comparing.</b> <ul style="list-style-type: none"> <li>Comparing, ordering and comparing</li> <li>Halves and quarters</li> <li>Money problem solving</li> </ul>	<b>We are finding and identifying fractions.</b> <ul style="list-style-type: none"> <li>Counting, ordering and comparing</li> <li>Halves and quarters</li> <li>Calculation</li> </ul>	
Year 2							
	<b>We are adding and subtracting within 100.</b> <ul style="list-style-type: none"> <li>Counting, ordering and comparing</li> <li>Addition and subtraction (100)</li> <li>1 and 2 step money problems</li> <li>Doubling</li> </ul>	<b>We are solving problems and using money.</b> <ul style="list-style-type: none"> <li>Addition and subtraction (100)</li> <li>1 and 2 step money problems</li> <li>Picturegraphs</li> </ul>	<b>We are multiplying and dividing.</b> <ul style="list-style-type: none"> <li>Addition and subtraction (100)</li> <li>Repeated addition and arrays</li> <li>Sharing and grouping</li> </ul>	<b>We are problem solving and using fractions.</b> <ul style="list-style-type: none"> <li>Money problems</li> <li>Fractions of quantities</li> <li>Statistics</li> <li>Geometry</li> </ul>	<b>We are fluent with numbers to 500.</b> <ul style="list-style-type: none"> <li>Counting, ordering and comparing</li> <li>Measure</li> <li>Shape</li> <li>Angle and turn</li> </ul>	<b>We are fluent to 1000.</b> <ul style="list-style-type: none"> <li>Counting, ordering and comparing (500)</li> <li>Adding (1000)</li> <li>Subtraction (1000)</li> <li>Volume</li> </ul>	

## Curriculum Overview: Mathematics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	 <p>Count on one hundred Hundreds Tens Ones 221 + 100 = one hundred more than 221 is 321 221, 321 + 100</p>	 <p>15 apples</p>	 <p>7.9cm = 79mm</p>	 <p><math>\frac{1}{2}</math> of £30 = £15</p>	 <p>4 cakes shared between 8 children 4</p>	
	<p><b>We are fluent and calculating to 1000.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Adding and subtracting</li> <li>Multiplying and division</li> <li>Money and measures</li> </ul>	<p><b>We are developing and refining our calculation methods.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Adding and subtracting</li> <li>Multiplying and division</li> <li>Fractions</li> </ul>	<p><b>We are using measure within calculation.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Mental strategies</li> <li>Multiplication</li> <li>Measure</li> <li>Geometry</li> </ul>	<p><b>We are using money and fractions to solve problems.</b></p> <ul style="list-style-type: none"> <li>Problem solving</li> <li>Fractions</li> <li>Money</li> <li>Time</li> <li>Multiplication</li> <li>Angles</li> <li>Statistics</li> </ul>	<p><b>We are using fractions and calculation methods.</b></p> <ul style="list-style-type: none"> <li>Adding and subtracting</li> <li>Multiplication</li> <li>Fractions</li> <li>Area and perimeter</li> <li>Geometry</li> </ul>	<p><b>We are using all four operations.</b></p> <ul style="list-style-type: none"> <li>Mental methods</li> <li>Calculation methods</li> <li>Investigation</li> <li>Money</li> <li>Measures</li> <li>Graphs</li> </ul>
Year 4	 <p>Using place value counters: 1000 100 10 1</p>		 <p>Did you know we're related?</p>			
	<p><b>We are fluent with numbers up to 10,000.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Rounding</li> <li>Adding and subtracting</li> <li>Multiplying and division</li> <li>Fractions</li> </ul>	<p><b>We are using written methods for all four operations.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Rounding</li> <li>Adding and subtracting</li> <li>Multiplying and division</li> <li>Money</li> <li>Geometry/Time</li> </ul>	<p><b>We are relating fractions and decimals.</b></p> <ul style="list-style-type: none"> <li>4 operations</li> <li>Fractions</li> <li>Decimals</li> <li>Geometry</li> <li>Coordinates</li> <li>Statistics</li> </ul>	<p><b>We are using all four operations in multi-step problems.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Decimals</li> <li>Problem solving</li> <li>Area and perimeter</li> <li>Time/measures</li> </ul>	<p><b>We are using fractions and decimals.</b></p> <ul style="list-style-type: none"> <li>Rounding, factors and multiples</li> <li>Multiplication and division</li> <li>Decimals</li> <li>Fractions</li> <li>Graphs</li> <li>Measures</li> </ul>	<p><b>We are using numbers to 100,000.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Addition</li> <li>Subtraction</li> <li>Multiplication and division</li> <li>Measures</li> <li>Statistics</li> </ul>

## Curriculum Overview: Mathematics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	 					
Year 6	<p><b>We are fluent with numbers up to 1,000,000.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Four operations</li> <li>Investigation - number</li> <li>Measures</li> <li>Geometry</li> </ul>	<p><b>We are using written methods for calculation.</b></p> <ul style="list-style-type: none"> <li>Whole numbers – order of operations</li> <li>Fractions</li> <li>Decimals</li> <li>Time</li> <li>Statistics</li> <li>Measures</li> </ul>	<p><b>We are relating fractions and decimals.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Fractions</li> <li>Decimals</li> <li>Geometry</li> <li>Percentage</li> <li>Measures</li> </ul>	<p><b>We are using data handling and relating fractions, decimals and percentages.</b></p> <ul style="list-style-type: none"> <li>Percentages</li> <li>Fractions, decimals and percentages</li> <li>Angles</li> <li>Shape</li> </ul>	<p><b>We are using fractions, decimals and percentages in problem solving.</b></p> <ul style="list-style-type: none"> <li>Problem solving</li> <li>Fractions</li> <li>Decimals</li> <li>Percentages</li> <li>Statistics</li> <li>Geometry</li> </ul>	<p><b>We are using all four operations in multi-step problems.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Mixed problem solving</li> <li>Measures</li> <li>Geometry</li> </ul>
Year 6						
Year 6	<p><b>We are becoming fluent in numbers up to 10,000,000.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>10,100, 1000</li> <li>Adding and subtraction</li> <li>Multiplication and division</li> <li>Problem solving</li> </ul>	<p><b>We are mastering ratio, fractions, decimals and percentages.</b></p> <ul style="list-style-type: none"> <li>Problem solving</li> <li>Ratio</li> <li>Fractions</li> <li>Algebra</li> <li>Percentages</li> </ul>	<p><b>We are solving multi-step problems.</b></p> <ul style="list-style-type: none"> <li>Mixed problem solving</li> <li>Fraction problem solving</li> <li>Ratio problem solving</li> <li>Area and perimeter</li> <li>Data – line graphs</li> </ul>	<p><b>We are learning about algebra and coordinates.</b></p> <ul style="list-style-type: none"> <li>Negative numbers</li> <li>Coordinates</li> <li>Problem solving – algebra</li> <li>Ratio problem solving</li> <li>Angles</li> </ul>	<p><b>We are solving problems and applying data.</b></p> <ul style="list-style-type: none"> <li>Ordering, comparing and place value</li> <li>Mental methods</li> <li>Problem solving – multi step</li> <li>Data</li> <li>Nets</li> </ul>	<p><b>We are using measure and statistics.</b></p> <ul style="list-style-type: none"> <li>Fractions, decimals and percentages</li> <li>Fractions</li> <li>Measures</li> <li>Circles</li> </ul>