



Maths Place Value Progression at Meanwood C of E Primary School



<b>CURRICULUM SUBJECT:</b>		<b>Maths Place Value</b>		<b>SUBJECT LEADS:</b>	<b>Catherine Bowie</b>	
What are the Y6 end of school end goals?		<p>To have a solid understanding of number and be confident using number in everyday situations</p> <p>To use basic maths to solve problems that involve application and thought</p> <p>To not fear maths and to see it as a gateway to improving understanding of the wider world</p> <p>To be able to use a range of strategies which provide recognised, reasonable solutions</p> <p>To have a can-do attitude to maths and be resilient when faced with difficult challenges</p>				
How is the curriculum at Meanwood C of E Primary School sequenced towards these end points?						
<b>Place Value</b>						
<b>Counting</b>						
<b>EYFS</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
<ul style="list-style-type: none"> <li>Count forwards and backwards to 5</li> <li>Count objects actions and sounds to 5</li> </ul> <p><b>Autumn</b></p> <ul style="list-style-type: none"> <li>Count to 10 forwards and backwards</li> </ul> <p><b>Spring</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards to 20</li> </ul> <p><b>Summer</b></p>	<ul style="list-style-type: none"> <li>Count to and across 100, forwards and backwards, beginning with 0 or 1, from any given number.</li> <li>Count numbers to 100 in numerals; count in multiples of twos, fives and tens.</li> </ul> <p><b>Autumn 1</b></p> <p><b>Autumn 4</b></p> <p><b>Spring 2</b></p> <p><b>Summer 4</b></p>	<ul style="list-style-type: none"> <li>Count in steps of 2, 3 and 5 from 0 and in 10s from any number, forward and backward.</li> </ul> <p><b>Autumn 1</b></p>	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> </ul> <p><b>Autumn 1</b></p> <p><b>Autumn 3</b></p>	<ul style="list-style-type: none"> <li>Count in multiples of 6, 7, 9, 25 and 1000</li> <li>Count backwards through zero to include negative numbers.</li> </ul> <p><b>Autumn 1</b></p> <p><b>Autumn 4</b></p>	<ul style="list-style-type: none"> <li>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</li> <li>count forwards and backwards with positive and negative whole numbers, including through zero</li> </ul> <p><b>Autumn 1</b></p> <p><b>Summer 4</b></p>	
<b>Represent</b>						
<ul style="list-style-type: none"> <li>Represent 1, 2 and 3 by subitising</li> <li>Link the number symbol to its cardinal number value up to 5</li> </ul>	<ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations</li> </ul>	<ul style="list-style-type: none"> <li>Read and write numbers to at least 100 in numerals and words.</li> </ul>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations.</li> </ul>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations.</li> </ul>	<ul style="list-style-type: none"> <li>read, write, (order and compare) numbers to at least 1 000 000 and determine the value of each digit</li> </ul>	<ul style="list-style-type: none"> <li>read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit</li> </ul>



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<ul style="list-style-type: none"> <li>Explore the composition of 1, 2 and 3</li> </ul> <p>Autumn</p> <ul style="list-style-type: none"> <li>Explore the composition of 4 and 5</li> <li>Subitise 6, 7 and 8</li> <li>Explore the composition of 6, 7, 8, 9 and 10</li> </ul> <p>Spring</p> <ul style="list-style-type: none"> <li>Build and identify numbers to 20 (and beyond)</li> </ul> <p>Summer</p>	<ul style="list-style-type: none"> <li>Read and write numbers to 100 in numerals.</li> <li>Read and write numbers from 1 to 20 in numerals and words.</li> </ul> <p>Autumn 1 Autumn 4 Spring 2 Summer 4</p>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations, including the number line.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>Read and write numbers up to 1000 in numerals and in words.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>Read Roman Numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>read Roman numerals to 1000 (M) and recognise years written in Roman numerals</li> </ul> <p>Autumn 1</p>	<p>Autumn 1</p>
<p><b>Use Place Value and Compare</b></p>						
<ul style="list-style-type: none"> <li>Understand the 1 more and 1 less than relationship between consecutive numbers</li> </ul> <p>Autumn</p> <ul style="list-style-type: none"> <li>Compare numbers to 10 by comparing two quantities</li> <li>Ordering three or more quantities</li> </ul> <p>Spring</p>	<ul style="list-style-type: none"> <li>Given a number identify one more and one less.</li> </ul> <p>Autumn 1 Autumn 4 Spring 2 Summer 4</p>	<ul style="list-style-type: none"> <li>Recognise the place value in each digit in a 2-digit number (tens, ones)</li> <li>Compare and order numbers from 0 up to 100; use &gt;, &lt; and = signs.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</li> <li>Compare and order numbers up to 1000.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>Find 1000 more or less than a given number.</li> <li>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones).</li> <li>Order and compare numbers beyond 1000.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>read, write), order and compare numbers up to 10 000 000 and determine the value of each digit</li> </ul> <p>Autumn 1</p>
<p><b>Problems and Rounding</b></p>						
		<ul style="list-style-type: none"> <li>Use place value and number facts to solve problems.</li> </ul> <p>Autumn 1</p>	<ul style="list-style-type: none"> <li>Solve number problems and practical problems</li> </ul>	<ul style="list-style-type: none"> <li>Round any number to the nearest 10, 100 or 1000.</li> </ul>	<ul style="list-style-type: none"> <li>interpret negative numbers in context</li> </ul>	<ul style="list-style-type: none"> <li>round any whole number to a required degree of accuracy</li> </ul>



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			involving these ideas. <b>Autumn 1</b>	<ul style="list-style-type: none"><li>• Solve number problems and practical problems that involve all of the above and with increasingly large positive numbers.</li></ul> <b>Autumn 1</b>	<ul style="list-style-type: none"><li>• round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</li><li>• solve number problems and practical problems that involve all of the above</li></ul> <b>Autumn 1</b>	<ul style="list-style-type: none"><li>• use negative numbers in context, and calculate intervals across zero</li><li>• solve number and practical problems that involve all of the above</li></ul> <b>Autumn 1</b>
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