



Maths Measurement Progression at Meanwood C of E Primary School



<b>CURRICULUM SUBJECT:</b>		<b>Maths Measurement</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>Measurement</b>						
<b>Using Measures</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>Compare length, mass and capacity (longer/shorter, heavier/lighter, full/empty)</li> </ul> <p><b>Autumn</b></p> <ul style="list-style-type: none"> <li>Use language specific to height and length</li> </ul> <p><b>Spring</b></p>	<ul style="list-style-type: none"> <li>compare, describe and solve practical problems for:               <ul style="list-style-type: none"> <li>lengths and height</li> <li>mass/weight</li> <li>capacity and volume</li> <li>time</li> </ul> </li> <li>measure and begin to record the following:               <ul style="list-style-type: none"> <li>lengths and heights</li> <li>mass/weight</li> <li>capacity and volume</li> <li>time (hours, minutes, seconds)</li> </ul> </li> </ul> <p><b>Spring 4</b> <b>Spring 5</b> <b>Summer 6</b></p>	<ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> </ul> <p><b>Spring 3</b> <b>Spring 4</b></p>	<ul style="list-style-type: none"> <li>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul> <p><b>Spring 2</b> <b>Spring 4</b></p>	<ul style="list-style-type: none"> <li>convert between different units of measure [for example, kilometre to metre; hour to minute]</li> <li>estimate, compare and calculate different measures</li> </ul> <p><b>Spring 2</b> <b>Summer 3</b></p>	<ul style="list-style-type: none"> <li>convert between different units of metric measure               <ul style="list-style-type: none"> <li>understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</li> <li>use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. where appropriate</li> <li>use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal</li> </ul>



Maths Measurement Progression at Meanwood C of E Primary School



					notation, including scaling <b>Spring 4</b> <b>Summer 5</b> <b>Summer 6</b>	notation to up to 3 d.p. • convert between miles and kilometres <b>Autumn 5</b>
<b>Money</b>						
	<ul style="list-style-type: none"> <li>recognise and know the value of different denominations of coins and notes</li> </ul> <b>Summer 5</b>	<ul style="list-style-type: none"> <li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>find different combinations of coins that equal the same amounts of money</li> <li>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul> <b>Spring 1</b>	<ul style="list-style-type: none"> <li>add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul> <b>Summer 2</b>	<ul style="list-style-type: none"> <li>estimate, compare and calculate different measures, including money in pounds and pence</li> </ul> <b>Summer 2</b>	<ul style="list-style-type: none"> <li>use all four operations to solve problems involving measure [for example, money]</li> </ul> <b>Summer 3</b>	
<b>Time</b>						
	<ul style="list-style-type: none"> <li>sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li> <li>recognise and use language relating to dates, including days</li> </ul>	<ul style="list-style-type: none"> <li>compare and sequence intervals of time</li> <li>tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</li> <li>know the number of minutes in an hour and</li> </ul>	<ul style="list-style-type: none"> <li>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</li> <li>estimate and read time with increasing accuracy to the</li> </ul>	<ul style="list-style-type: none"> <li>read, write and convert time between analogue and digital 12- and 24-hour clocks</li> <li>solve problems involving converting from hours to minutes; minutes to</li> </ul>	<ul style="list-style-type: none"> <li>solve problems involving converting between units of time</li> </ul> <b>Summer 5</b>	<ul style="list-style-type: none"> <li>use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa</li> </ul> <b>Autumn 5</b>



Maths Measurement Progression at Meanwood C of E Primary School



	<p>of the week, weeks, months and years</p> <ul style="list-style-type: none"> <li>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</li> </ul> <p><b>Summer 6</b></p>	<p>the number of hours in a day</p> <p><b>Summer 2</b></p>	<p>nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</p> <ul style="list-style-type: none"> <li>know the number of seconds in a minute and the number of days in each month, year and leap year</li> <li>compare durations of events [for example to calculate the time taken by particular events or tasks]</li> </ul> <p><b>Summer 3</b></p>	<p>seconds; years to months; weeks to days</p> <p><b>Summer 3</b></p>		<p><i>Note –time conversions are covered in Y5; the Y6 block concentrates on metric units.</i></p>
<b>Perimeter, Area, Volume</b>						
			<ul style="list-style-type: none"> <li>measure the perimeter of simple 2-D shapes</li> </ul> <p><b>Spring 2</b></p>	<ul style="list-style-type: none"> <li>measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</li> </ul>	<ul style="list-style-type: none"> <li>measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</li> </ul>	<ul style="list-style-type: none"> <li>recognise that shapes with the same areas can have different perimeters and vice versa</li> <li>recognise when it is possible to</li> </ul>



Maths Measurement Progression at Meanwood C of E Primary School



				<ul style="list-style-type: none"><li>• find the area of rectilinear shapes by counting squares</li></ul> <p><b>Autumn 3</b> <b>Spring 2</b></p>	<ul style="list-style-type: none"><li>• calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes</li><li>• estimate volume [for example, using blocks to build cuboids] and capacity [for example, using water]</li></ul> <p><b>Spring 4</b> <b>Summer 6</b></p>	<p>use formulae for area and volume of shapes</p> <ul style="list-style-type: none"><li>• calculate the area of parallelograms and triangles</li><li>• calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units</li></ul> <p><b>Spring 5</b></p>
--	--	--	--	--	--	---