



Medium Term Plan 2020/21      Subject: Maths    Term:      Autumn 1    Topic from LTP: Numbers, Place Value and the Number System    Lessons per week: 4 & 2    Group(s): Wood, Weir, Rowsell, Johnson

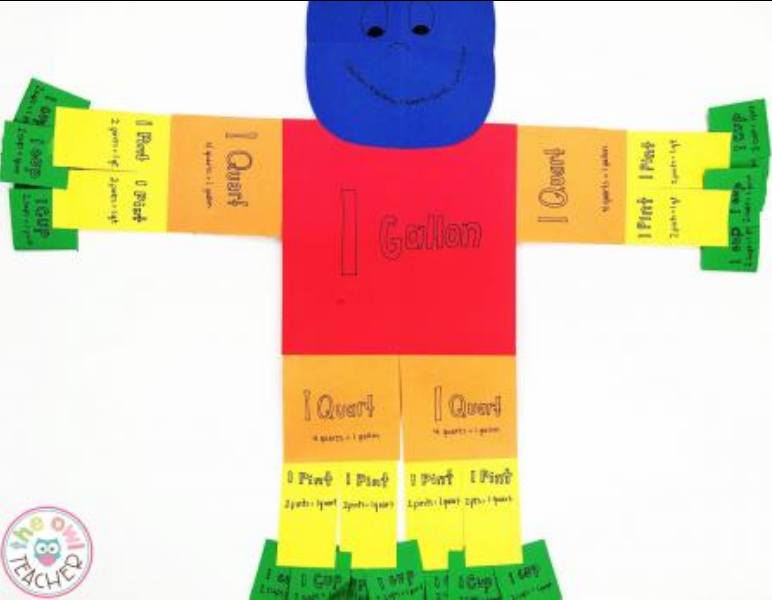

How this scheme of work links to school vision and values (wellbeing, independence, communication, achievement):

	Topic	Learning Objectives	Tasks	Assessed LO
W1	Numbers, Place Value and Number System	<p>EL1 – To be able to <b>describe and make comparisons in words</b> between measures of items including <b>size, length, width, height, weight</b> and capacity.</p> <p>EL2 – To be able to use <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b></p> <p>EL3 – To be able to use and compare <b>measures of length</b>, capacity, weight and temperature (using metric or imperial units to the nearest labelled or unlabelled division.) Compare <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b> To be able to <b>use a suitable instrument to measure mass and length.</b></p> <p>Level 1 – <b>To be able to convert between units of length</b>, weight,</p>	<ul style="list-style-type: none"> <li>• Baseline assessment covering the different topic areas               <ul style="list-style-type: none"> <li>• Explore non-standard and standard measuring</li> </ul> </li> <li>• Explore the use of non-standard measurements to measure different things (height, length and width)</li> <li>• Explore imperial and metric measures and compare them - add to the display</li> </ul>	

		<p>capacity, money and time, in the same system.</p> <p>Level 2 + - <b>To be able to convert between metric and imperial units of length</b>, weight and capacity using a) a conversion factor and b) a conversion graph.</p>		
<p>W2</p>	<p>Numbers, Place Value and Number System</p>	<p>EL1 – To be able to <b>describe and make comparisons in words</b> between measures of items including <b>size, length, width, height</b>, weight and capacity.</p> <p>EL2 – To be able to use <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b></p> <p>EL3 – To be able to use and compare <b>measures of length</b>, capacity, weight and temperature (using metric or imperial units to the nearest labelled or unlabelled division.) Compare <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b> To be able to use a <b>suitable instrument to measure mass and length.</b></p> <p>Level 1 – <b>To be able to convert between units of length</b>, weight,</p>	<p><u>Focus on length/height/width</u></p> <ul style="list-style-type: none"> <li>• Clicker board on length, height, size and width.</li> <li>• Garden scavenger hunt on measuring (differentiated worksheets) (ruler, trundle wheel, metre stick, measuring tape)</li> <li>• Measurement tag in small groups</li> </ul>  <ul style="list-style-type: none"> <li>• Practice exam questions</li> </ul>	

		<p>capacity, money and time, in the same system.</p> <p>Level 2 + - <b>To be able to convert between metric and imperial units of length</b>, weight and capacity using  a) a conversion factor and b) a conversion graph.</p>		
W3	<p>Numbers, Place Value and Number System</p> <p><b>Measure</b></p>	<p>EL1 – To be able <b>to describe and make comparisons in words</b> between measures of items including <b>size, length, width, height</b>, weight and capacity.</p> <p>EL2 – To be able to use <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b></p> <p>EL3 – To be able to use and compare <b>measures of length</b>, capacity, weight and temperature (using metric or imperial units to the nearest labelled or unlabelled division.)  Compare <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b>  To be able to <b>use a suitable instrument to measure mass and length.</b></p> <p>Level 1 – <b>To be able to convert between units of length</b>, weight,</p>	<p style="text-align: center;"><u>Focus on weight</u></p> <ul style="list-style-type: none"> <li>• Clicker board weight</li> <li>• Explore the difference between mass and weight</li> <li>• Students to make a fruit salad, weighing out the right ingredients, to make the fruit salad <ul style="list-style-type: none"> <li>• Practice exam questions</li> </ul> </li> </ul>	

		<p>capacity, money and time, in the same system.</p> <p>Level 2 + - <b>To be able to convert between metric and imperial units of length</b>, weight and capacity using  a) a conversion factor and b) a conversion graph.</p>		
<p>W4</p>	<p>Numbers, Place Value and Number System</p> <p><b>Measure</b></p>	<p>(Consolidation of basic areas of measurement throughout all classes)</p> <p>EL1 – To be able <b>to describe and make comparisons in words</b> between measures of items including <b>size, length, width, height, weight</b> and capacity.</p> <p>EL2 – To be able to use <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b></p> <p>EL3 – To be able to use and compare <b>measures of length</b>, capacity, weight and temperature (using metric or imperial units to the nearest labelled or unlabelled division.)  Compare <b>metric measures of length, including millimetres, centimetres, metres and kilometres.</b>  To be able to <b>use a suitable instrument to measure mass and length.</b></p>	<p style="text-align: center;"><u>Focus on capacity</u></p> <ul style="list-style-type: none"> <li>Compare capacity across different containers – explore how one container may have more seem like it has more water when it doesn't</li> </ul>  <ul style="list-style-type: none"> <li>Practice exam questions</li> </ul>	

		<p>Level 1 – <b>To be able to convert between units of length</b>, weight, capacity, money and time, in the same system.</p> <p>Level 2 + - <b>To be able to convert between metric and imperial units of length</b>, weight and capacity using  a) a conversion factor and b) a conversion graph.</p>		
<p>W5</p>	<p>Numbers, Place Value and Number System</p> <p>Measure</p>	<p>EL1 - To be able <b>to describe and make comparisons in words</b> between measures of items including size, length, width, height, <b>weight and capacity</b>.</p> <p>EL2 - To be able use <b>measures of weight, including grams and kilograms</b>.  To be able to use <b>measures of capacity, including millilitres and litres</b>.</p> <p>EL3 - To be able to use and compare measures of length, <b>capacity, weight</b> and temperature (using metric or imperial units to the nearest labelled or unlabelled division.)  To be able to <b>compare measures of</b></p>	<p><b>LA to focus on any areas of issue, rather than circumference</b>  <u>Focus on circumference</u></p> <ul style="list-style-type: none"> <li>Use string to measure the circumference of different objects e.g. the length of the yarn relates to the circumference</li> </ul> 	

		<p><b>weight, including grams and kilograms.</b>          To be able to <b>compare measures of capacity, including millilitres and litres.</b>          To be able to <b>use a suitable instrument to measure mass</b> and length.</p> <p>Level 1 – To be able to <b>convert between units of length, weight, capacity,</b> money and time, in the same system.</p> <p>Level 2 + – To be able to <b>convert between metric and imperial units of length, weight and capacity using a) a conversion factor and b) a conversion graph.</b></p>	<ul style="list-style-type: none"> <li>• HA students can look at the apple cut in half and calculate the diameter, which they can use to calculate the circumference</li> <li>• Revisit metric vs. Imperial measures and comparisons</li> </ul>	
--	--	--	---	--

Trips which accompany this topic: