



# Progression Map - Early Years to Year 1

## Mathematics: Shape, Space and Measure

30-50 months	40-60 months	ELG	Exceeding	Year 1
<b>SHAPE</b>				
<p>Shows an interest in shape and space by playing with shapes or making arrangements with objects.</p> <p>Shows awareness of similarities of shapes in the environment.</p> <p>Shows interest in shape by sustained construction activity or by talking about shapes or arrangements.</p> <p>Shows interest in shapes in the environment.</p> <p>Uses shapes appropriately for tasks.</p> <p>Beginning to talk about the shapes of everyday objects, e.g. 'round' and 'tall'.</p>	<p>Beginning to use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes, and mathematical terms to describe shapes.</p> <p>Selects a particular named shape.</p> <p>Uses familiar objects and common shapes to create and recreate patterns and build models.</p>	<p>They recognise, create and describe patterns.</p> <p>They explore characteristics of everyday objects and shapes and use mathematical language to describe them.</p>		<p>Recognise and name common 2-D and 3-D shapes, including:</p> <ul style="list-style-type: none"> <li>- 2-D shapes (e.g. rectangles (including squares), circles and triangles)</li> <li>- 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li> </ul>
<b>POSITION AND DIRECTION</b>				
<p>Uses positional language.</p>	<p>Can describe their relative position such as 'behind' or 'next to'</p>	<p><i>Children use everyday language to talk about size and position, and to solve problems.</i></p>		<p>Describe position, directions and movements, including half, quarter and three-quarter turns.</p>



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<b>MEASURES</b>				
	<p>Orders two or three items by length or height.</p> <p>Orders two items by weight or capacity.</p> <p>Uses everyday language related to time.</p> <p>Beginning to use everyday language related to money.</p> <p>Orders and sequences familiar events.</p> <p>Measures short periods of time in simple ways.</p>	<p>Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.</p>	<p>Children estimate, measure, weigh and compare and order objects and talk about properties, position and time.</p>	<p><b><u>Compare, describe and solve practical problems for:</u></b></p> <ul style="list-style-type: none"> <li>- lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)</li> <li>- mass or weight (e.g. heavy/light, heavier than, lighter than)</li> <li>- capacity/volume (full/empty, more than, less than, quarter)</li> <li>- time (quicker, slower, earlier, later)</li> </ul> <p><b><u>Measure and begin to record the following:</u></b></p> <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> <p>Recognise and know the value of different denominations of coins and notes.</p> <p>Sequence events in chronological order using language such as: before and after, next, first, today, Yesterday, tomorrow, morning, afternoon and evening.</p> <p>Recognise and use language relating to dates, including days of the week, weeks, months and years.</p> <p>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p>