



## St Peter's Design Technology Medium term Plan 2021-22



### Year 2

Spring 1 <u>Weaving</u>	Summer 2 <u>Wheels and Axles</u>
<ul style="list-style-type: none"><li>When designing and making, pupils should be taught to:</li><li><b>Design</b></li><li>design purposeful, functional, appealing products for themselves and other users based on design criteria</li><li>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li><li><b>Make</b></li><li>select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li><li>select from and use a wide range of textiles according to their characteristics</li><li><b>Evaluate</b></li><li>explore and evaluate a range of existing product</li><li>evaluate their ideas and products against design criteria</li></ul>	<ul style="list-style-type: none"><li>When designing and making, pupils should be taught to:</li><li><b>Design</b></li><li>design purposeful, functional, appealing products for themselves and other users based on design criteria</li><li>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li><li><b>Make</b></li><li>select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li><li>select from and use a wide range of construction materials, according to their characteristics</li><li><b>Evaluate</b></li><li>explore and evaluate a range of existing product</li><li>evaluate their ideas and products against design criteria</li><li><b>Technical knowledge</b></li><li>explore and use mechanisms [wheels and axles], in their products.</li></ul>
<ol style="list-style-type: none"><li>To evaluate existing textiles (discuss John Kay and the flying shuttle)</li><li>To make design criteria for my textile piece</li><li>To design my textile weaving</li><li>To develop ideas through mock ups (practise weaving with paper)</li><li>To use a range of textiles according to their characteristics</li><li>To evaluate my product against the design criteria (use evaluation form on server)</li></ol>	<ol style="list-style-type: none"><li>To explore existing products which use wheels and axles</li><li>To evaluate an existing product</li><li>To make design criteria based on our research</li><li>To design a functional product based on design criteria</li><li>To select construction materials to make our product</li><li>To evaluate my product (use evaluation form on server)</li></ol>