
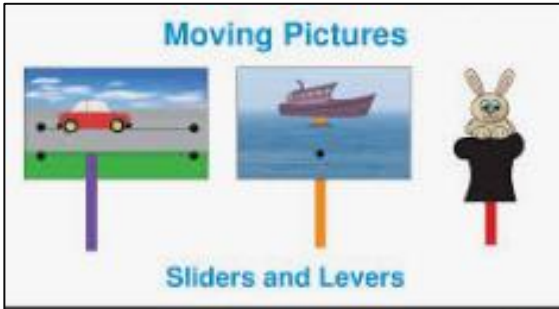



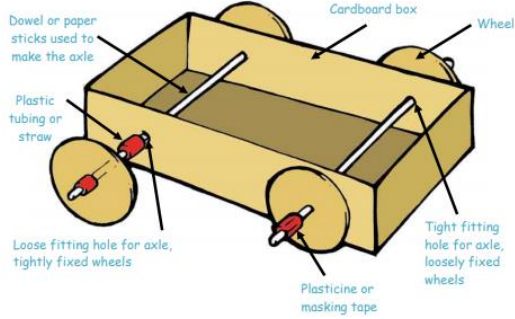










## West Meadows Primary School Design and Technology Long term Overview

Each year group will cover a total of three design and technology units per year. Children will cover one unit of food technology each year. Textiles, mechanisms and structures are covered at least three times during their time in the school. Electrical systems are covered once during their time in the school. Each year group will study at least one famous designer.

	AUTUMN	SPRING	SUMMER	Famous designer
Year 1	<p><b>STRUCTURES-</b> <u>Freestanding structures</u> Children design and make a chair for the three bears. Focusing on strength and stability.</p> 	<p><b>MECHANISM-</b> <u>Sliders and levers</u> Children use sliders and levers to create moving picture.</p> 	<p><b>FOOD-</b> Children design and make their own fruit smoothie.</p> 	<p>Charles Rennie Mackintosh (1868-1928)</p> <p>Sir Jonathan Ive (Apple) 1967-</p> <p>Nadia Hussain</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 2</p>	<p><b>TEXTILES-</b> <u>2D to 3D</u> Children design and make their own Christmas decoration using flat pieces of fabric sewn together and stuffed.</p> 	<p><b>FOOD-</b> Children prepare their own dippers and make their own dips.</p> 	<p><b>MECHANISM-</b> <u>Wheels and axels</u> Children design and make a moving vehicle using wheels and axels.</p> 	<p>Zaha Hadid (1950-2016) Architect</p> <p>Jamie Oliver</p> <p>Alec Issigonis (1906-1988)</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 3</p>	<p><b>TEXTILES-</b> <u>Tote bag</u> Children will design and make a tote bag that will hold and carry objects.</p> 	<p><b>STRUCTURES- Shell Structures</b> Make a gift box.</p> 	<p><b>FOOD –</b> <u>Bread</u> Children to refine a recipe and make a loaf of bread and soup.</p> 	<p>Charles Macintosh (1766 –1843)</p> <p>Nigella Lawson</p> <p>Renzo Piano (1937-)</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 4</p>	<p><b>MECHANISM-</b> <u>Pneumatics.</u> Moving monster/dragon/ creature</p> 	<p><b>FOOD-</b> <u>Pizza</u> Children to refine a recipe and make their own pizza including the dough.</p> 	<p><b>ELECTRICAL SYSTEMS &amp; STRUCTURES-</b> <u>Light box</u> Children to use electrical system to create a light box.</p> 	<p>Paul Hollywood</p> <p>John Boyd Dunlop (1840 – 1921)</p> <p>James Dyson (1947-)</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 5</p>	<p><b>MECHANISM-</b>  <u>Using a CAM</u>          Children to design and make their own moving CAM toy.</p> 	<p><b>TEXTILES –</b>  <u>Pencil case</u>          Children to design and sew their own pencil case using a piece of material and a zip.</p> 	<p><b>FOOD-</b>  <u>Burgers and coleslaw</u>          Children to make their own burger and coleslaw.</p> 	<p>Coco Chanel          (1883–1971)          Fashion designer</p> <p>Antonio          Carluccio          (1937-2017)</p> <p>Steve Jobs          (1955-2011)</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 6</p>	<p><b>MECHANISM-</b>  <u>Pulleys and/or gears</u>          Fairground ride</p> 	<p><b>TEXTILES-</b>  <u>Stuffed Toy</u>          Children to make their own stuffed toy.</p> 	<p><b>FOOD-</b>  <u>Puff Pastry Pie</u>          Children to refine and make their own pie including a puff pastry top.</p> 	<p><b>John Torode</b>          Wright brother</p> <p><b>Jonathan Anderson</b>          1984-present</p>