



# Our Design and Technology Adventure



## Long Term Overview

	Terms 1 and 2	Terms 3 and 4	Terms 5 and 6
<b>EYFS</b>	<p><b>Construction &amp; Cooking</b></p> <p>Building houses and animal habitats. Use natural materials to construct stick men and boggarts. Explore a variety of simple construction tools.</p>	<p><b>Construction &amp; Cooking</b></p> <p>Building kites, igloos, Jack Frosts, Chinese lanterns using a variety of joining techniques.</p> <p>Easter crafts and bakes, cooking playdough,</p>	<p><b>Constructions &amp; Cooking</b></p> <p>Building castles, shields, crowns, rockets, hot air balloons, boats using a variety of construction materials including junk modelling, wooden blocks and Lego.</p> <p>Baking jam tarts, simple biscuits or cakes.</p>
<b>Year 1</b>		<p><b>Cooking &amp; Nutrition</b> – making a sandwich for a Pirate Picnic</p> <p><b>Mechanisms</b> – Making a picture which contains a lever to provide a moving part</p>	<p><b>Building structures</b> – design and build a structure traditionally found in a seaside resort.</p>
<b>Year 2</b>		<p><b>Building Structures</b> – Recreating a structure from the Great fire of London.</p>	<p><b>Cooking &amp; Nutrition</b> – grow salad produce</p> <p><b>Mechanisms and levers</b> – Investigate mechanisms and levers and pulleys to build as aspect of castle defence.</p>

<p><b>Year 3</b></p>	<p><b>Cooking &amp; Nutrition</b> – Design and make a Greek meze.</p>	<p><b>Understand and use electrical systems in their products</b> – Design and make a torch/ lantern for an expedition.</p> <p>Design and make a product powered by weather – kite</p>	
<p><b>Year 4</b></p>	<p><b>Cooking &amp; Nutrition</b> – design and make chocolate bar</p>	<p><b>Strengthening and stiffening</b> – Design and make Anglo-Saxon village.</p>	<p><b>Mechanical systems</b> – Understand how gears and cams work to make a moving vehicle.</p>
<p><b>Year 5</b></p>	<p><b>Understand and use electrical systems in their products-</b> Create a system that could be used to warn a Suffragette meeting of police presence using an appropriate combination of series and parallel circuits, incorporating switches, bulbs, buzzers and motors.</p>	<p><b>Structures and strengthening materials</b> – Investigate how structures are strengthened to carry intended weight. Children to design and make their own bridge.</p>	<p><b>Cooking &amp; Nutrition</b> – Design and make a variety of breads and dips.</p>
<p><b>Year 6</b></p>	<p><b>Mechanical Systems – Gears, levers, pulleys.</b> Explore gears, levers and pulleys in everyday objects, looking at how they work and gathering the knowledge needed to create our own mechanical objects.</p>	<p><b>Cooking Nutrition</b> – Food hygiene and cooking of a Caribbean meal, including meats.</p>	

