



# Design and Technology Long-term Overview

<b>EYFS</b>	<p><b>Communication and Language:</b> Follow instructions involving several ideas and actions.</p> <p><b>Physical Development:</b> Show good control and coordination in large and small movements. Handle equipment and tools effectively. Know the importance for good health of physical exercise, and a healthy diet, and talk about ways to keep healthy and safe.</p> <p><b>Personal, Social and Emotional Development:</b> Be confident to try new activities and say why they like some more than others. Talk about ideas and choose resources they need for their chosen activities. Take account of one another's ideas about how to organise their activity.</p> <p><b>Mathematics:</b> Explore characteristics of everyday objects and shapes and use mathematical language to describe them. 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><b>Understanding the World:</b> Know about similarities and differences in relation to places, objects, materials and living things. Select and use technology for particular purposes.</p> <p><b>Expressive Art and Design:</b> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Use what they have learnt about media and materials in original ways, thinking about uses and purposes. Represent own ideas, thoughts and feelings through design and technology, art, music, dance, role-play and stories.</p>
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<b>Cycle A</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3/4</b>	<b>Year 5/6</b>
<b>Autumn</b>		<b>Design and Structure</b> of houses – linked to Great Fire of London	<b>Design and Make</b> – musical instrument	Understand and use <b>electrical systems</b> to make own product
<b>Spring</b>	<b>Design and Make</b> a simple game  <b>Cooking and Nutrition</b> - sandwich and <b>Design and make</b> packaging – linked to Lighthouse Keepers Lunch	<b>Cooking and Nutrition</b> – fruit smoothie	<b>Design and Structure</b> of bridges – linked to Rivers	<b>Cooking and Nutrition</b> – Fairtrade and local produce
<b>Summer</b>		<b>Cooking and Nutrition</b> – food linked to Egypt	<b>Cooking and Nutrition</b> – design and make a meal linked to food from Roman times	Using <b>mechanisms</b> in complex structures, <b>levers and pulleys</b> – linked to Shackleton's Journey <b>Leonardo Da Vinci</b>

<b>Cycle B</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3/4</b>	<b>Year 5/6</b>
<b>Autumn</b>		<b>Design and Structure</b> of houses – linked to Great Fire of London	<b>Design and Make</b> a container to hold clay jewellery	<b>Design and Make</b> a tote bag – Computer-assisted design  <b>Design and Structure</b> of large sculpture – stelae from Mayan civilisation
<b>Spring</b>	<b>Design and Make</b> a simple game  <b>Cooking and Nutrition</b> - sandwich and <b>Design and make</b> packaging – linked to Lighthouse Keepers Lunch	<b>Cooking and Nutrition</b> – fruit smoothie	<b>Design and use simple electrical systems</b>	<b>Cooking and Nutrition</b> – food from Greece
<b>Summer</b>		<b>Cooking and Nutrition</b> – food linked to Egypt	<b>Design and Make</b> a book with moving parts – <b>levers and linkages</b>	