



## Design and Technology Long-Term Plan



To ensure that children receive the breadth of learning required by the National Curriculum and that they increase their knowledge, understanding and skills over time, it is essential to follow this long-term plan. The aim is to complete one project per term or six projects in KS1 and twelve in KS2 to meet the requirements of the National Curriculum Programme of Study. The order in which projects are taught can vary to match themes or topics taught in other subjects in your year group.

### Key Stage 1

**IMPORTANT: PLEASE REFER TO THE PROGRESSION FRAMEWORK TO ENSURE CORRECT COVERAGE/ PROGRESSION OF ALL ASPECTS OF DT WITHIN EACH TAUGHT AREA.**

<b>Year 1</b>	<b>Mechanisms</b> Sliders and levers	<b>Structures</b> Freestanding structures	<b>Food</b> Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)
<b>Year 2</b>	<b>Mechanisms</b> Wheels and axles	<b>Food</b> Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)	<b>Textiles</b> Templates and joining techniques

## Key Stage 2

**IMPORTANT: PLEASE REFER TO PROGRESSION FRAMEWORK TO ENSURE CORRECT COVERAGE/ PROGRESSION OF ALL ASPECTS OF DT WITHIN EACH TAUGHT AREA.**

<b>Year 3</b> <b>Year A</b> <b>2020-2021</b>	<b>Structures</b> Shell structures (including computer-aided design)	<b>Food</b> Healthy and varied diet (including cooking and nutrition requirements for KS2)	<b>Textiles</b> 2-D shape to 3-D product
<b>Year 4/5</b> <b>Year A</b> <b>2020-2021</b>	<b>Mechanical Systems</b> Levers and Linkages	<b>Electrical Systems</b> Simple circuits and switches	<b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)
<b>Year 5/6</b> <b>Year A</b> <b>2020-2021</b>	<b>Textiles</b> Combining different fabric shapes (including computer-aided design)	<b>Mechanical Systems</b> Pulleys or gears	<b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)

<p><b>Year 3</b></p> <p><b>Year B</b></p> <p><b>2021-2022</b></p>	<p><b>Structures</b> Shell structures (including computer-aided design)</p>	<p><b>Food</b> Healthy and varied diet (including cooking and nutrition requirements for KS2)</p>	<p><b>Textiles</b> 2-D shape to 3-D product</p>
<p><b>Year 4/5</b></p> <p><b>Year B</b></p> <p><b>2021-2022</b></p>	<p><b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>	<p><b>Structures</b> Frame structures</p>	<p><b>Electrical Systems</b> Simple circuits and switches</p>
<p><b>Year 5/6</b></p> <p><b>Year B</b></p> <p><b>2021-2022</b></p>	<p><b>Structures</b> Frame structures</p>	<p><b>Electrical Systems</b> More complex switches and circuits</p>	<p><b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>

<p><b>Year 3</b></p> <p><b>Year C</b></p> <p><b>2022-2023</b></p>	<p><b>Structures</b> Shell structures (including computer-aided design)</p>	<p><b>Food</b> Healthy and varied diet (including cooking and nutrition requirements for KS2)</p>	<p><b>Textiles</b> 2-D shape to 3-D product</p>
<p><b>Year 4/5</b></p> <p><b>Year C</b></p> <p><b>2022-2023</b></p>	<p><b>Mechanical Systems</b> Levers and Linkages</p>	<p><b>Electrical Systems</b> More complex switches and circuits</p>	<p><b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>
<p><b>Year 5/6</b></p> <p><b>Year C</b></p> <p><b>2022-2023</b></p>	<p><b>Textiles</b> Combining different fabric shapes (including computer-aided design)</p>	<p><b>Mechanical Systems</b> Pulleys or gears</p>	<p><b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>