

Design and Technology Overview

2025 - 2026

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Subject/Term	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	<p>Mechanisms, - Sliders and levers</p> <p>Year 1 will be creating a celebration card using a slider or lever.</p>	<p>Free standing structures</p> <p>Year 2 will be building a bridge using different materials and reinforcing it.</p>	<p>Cooking and nutrition</p> <p>Year 3 will be designing and baking a healthy snack (oat bars).</p>	<p>Electrical systems</p> <p>Year 4 will design and create a Christmas light box using a simple circuit.</p>	<p>Complex systems and circuits</p> <p>Year 5 will make a set of traffic lights using CAD (computer aided design).</p>	<p>Pulleys and gears</p> <p>Year 6 will create a car that can be moved using a pulley and a gear.</p>
Spring	<p>Cooking and nutrition</p> <p>Year 1 will use their knowledge of healthy fruits to design and create a smoothie.</p>	<p>Textiles and joining</p> <p>Year 2 will think about materials and joining to create a hand puppet.</p>	<p>Levers and linkages</p> <p>Year 3 will create a pop up Easter scene using a lever or linkage.</p>	<p>Frame structures</p> <p>Year 4 will build an Anglo Saxon barn using a wooden frame.</p>	<p>Cooking and nutrition</p> <p>Year 5 will research other cultures food preferences and create a cultural dish.</p>	<p>Textiles and joining</p> <p>Year 6 will research sustainability and create an item of clothing from recycled clothes.</p>
Summer	<p>KS1 Challenge</p> <p>Year 1 will make a pop up poster for healthy eating.</p>	<p>Mechanisms:</p> <p>Year 2 will learn about using wheels and axles to create a moving vehicle.</p>	<p>Lower KS2 Challenge</p> <p>Year 3 will build a boat that floats with a pop up aspect.</p>	<p>Lower KS2 Challenge</p> <p>Year 4 will build a boat that floats with a pop up aspect.</p>	<p>Upper KS2 Challenge</p> <p>Year 5 will create a moving car including traffic lights using CAD.</p>	<p>Upper KS2 Challenge</p> <p>Year 6 will create a moving car including traffic lights using CAD.</p>