



Long Term Plan - Design & Technology

Year	<i>Trialled in Term 6, full implementation from September 2024</i>		
	Autumn	Spring	Summer
1	<p style="text-align: center;">Mechanisms Sliders and Levers</p> <p>Design and make a picture with a moving book character. (link to book link)</p>	<p style="text-align: center;">Structures Freestanding Structures</p> <p>Design and make a bridge</p>	<p style="text-align: center;">Food Preparing Vegetables / fruit for soup / smoothie</p> <p>Design and make soup / smoothie</p>
2	<p style="text-align: center;">Structures Shell Structures</p> <p>Design & make a Christmas gift boxes</p>	<p style="text-align: center;">Mechanisms Wheels and Axles</p> <p>Design and make a model fire engine for the Fire of London.</p>	<p style="text-align: center;">Textiles Templates and Joining Techniques</p> <p>glove puppet / finger puppet / simple bag / clothes for a toy / fabric placemat</p>
3	<p style="text-align: center;">Mechanical Systems Pneumatics</p> <p>Design and make a 'jack-in-the-box' character from their story book.</p>	<p style="text-align: center;">Textiles 2D Shapes to 3D Products</p> <p>Design and make a small reusable shopping bag (link to book on recycling)</p>	<p style="text-align: center;">Food Healthy and Varied Diet</p> <p>Design & make a fruit crumble / Pizza</p>
4	<p style="text-align: center;">Mechanical Systems Levers and Linkages</p> <p>story books / poster / class display / greetings card / information book / storyboard</p>	<p style="text-align: center;">Structures Shell Structures using CAD*</p> <p>Design & make packaging</p>	<p style="text-align: center;">Electrical Systems Simple Circuits and Switches</p> <p>toy vehicle siren / reading light / nightlight / illuminated sign / torch / lamp / office buzzer</p>
5	<p style="text-align: center;">Mechanical Systems Cams</p> <p>shop display with moving parts / vehicles / toys with oscillating or rotating movement</p>	<p style="text-align: center;">Food Celebrating Culture and Seasonality</p> <p>Design and make a bread product (different additional ingredients)</p>	<p style="text-align: center;">Textiles Combining Different Fabric Shapes</p> <p>phone case / shopping bag / hat or cap / garden tool belt / slippers / advent calendar</p>
6	<p style="text-align: center;">Structures Frame Structures</p> <p>playground shelter / market stall / bus shelter tent / playhouse / gazebo / bird hide / kite</p>	<p style="text-align: center;">Electrical Systems More Complex Switches and Circuits</p> <p>Design and make a electrical board game (linked to KS2 learning)</p>	<p style="text-align: center;">Mechanisms (Electrical Systems) Pulleys or gear</p> <p>wheeled vehicle (motorised)</p>