

# Magdalen Gates Design and Technology 2023/2024



Food	Mechanisms/Mechanical Systems	Structures	Textiles	Electrical Systems
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	Term 1	Term 2 Change and Progress	Term 3	Term 4 Technological advancement	Term 5	Term 6 Conflict and Power
E Y F S	Keeping safe. Introduction to saw and hammer. Collaborative piece	Supported Calendars for Christmas	Joining 2 pieces of wood	Collaborative piece.	Design/make and decorate an individual model.	Keeping safe. Introduction to saw and hammer. Collaborative piece
	<p><b>Basic Level Joins</b> glue stick, PVA glue with a glue brush, PVA glue with a spreader, make glue from flour  <b>Mid-Level Joins</b> masking tape, sticky tape, folding paper and card, elastic band, sticky tack, a paper clip, a stapler  <b>High Level Joins</b> hole punch (single and double) split pins, treasury tags, stitching.</p>					
Year 1	<b>Food:</b> <b>What can we take on a picnic? (healthy)</b>  Preparing fruit and vegetables	ART	<b>Mechanisms:</b> <b>Can we make a book with moving parts all about toys?</b>  Sliders and levers.	ART	<b>Structures:</b> <b>Can we make a building with a tower?</b>  Freestanding structures.	ART

	(Including cooking and nutrition requirements for KS1)					
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<b>Year 2</b>	ART	<p><b>Textiles:</b> <b>Can we make a soft toy?</b></p> <p>Templates and joining techniques.</p>	ART	<p><b>Mechanisms:</b> <b>Can we make a soap box racer?</b></p> <p>Wheels and axles.</p>	ART	<p><b>Food:</b> <b>Can we plan and make a yogurt for breakfast?</b></p> <p>Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)</p>
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<p><b>Year 3</b></p>	<p><b>Structures:</b> Shell structures <b>Can we make a box? (For a toy car)</b></p> <p>Frame and structures.</p>	<p>ART</p>	<p><b>Textiles:</b> 2-D shape to 3-D product <b>Can we make a purse?</b></p> <p>Combining different fabric shapes.</p>	<p>ART</p>	<p><b>Food: Can I make a healthy lunch? (pitta pockets)</b></p> <p>Healthy and varied diet (including cooking and nutrition requirements for KS2)</p>	<p>ART</p>
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<p><b>Year 4</b></p>	<p>ART</p>	<p><b>Mechanical systems:</b> <b>Can we make a pop-up Christmas card?</b></p> <p>Levers and Linkages.</p>	<p>ART</p>	<p><b>Electrical systems:</b> <b>Can I make an illuminated display?</b> <b>Astrology?</b></p> <p>Simple programming and control.</p>	<p>ART</p>	<p><b>Food: Can we make a snack bar?</b></p> <p>Healthy and varied diet (including cooking and nutrition requirements for KS2)</p>
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<p><b>Year 5</b></p>	<p><b>Food:</b>  <b>Can we make seasonal foods?</b>  <b>Muffins</b></p> <p>Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>	<p>ART</p>	<p><b>Structures:</b>  <b>Can we make a kite?</b></p> <p>Frame structures.</p>	<p>ART</p>	<p><b>Textiles:</b>  <b>Can we make a reusable shopping bag?</b></p> <p>Combining different fabric shapes.</p>	<p>ART</p>
<p><b>Year 6</b></p>	<p><b>Mechanical systems:</b>  <b>Can I make a moving race car? (Formula 1 in Schools)</b></p> <p>Pulleys or gears.</p>	<p>ART</p>	<p><b>Food:</b>  <b>Can we create a quick cook bread?</b></p> <p>Celebrating culture seasonality (including cooking and nutrition requirements for KS2).</p>	<p>ART</p>	<p><b>Electrical systems:</b>  <b>Can we create a baby sensory light?</b></p> <p>Switches and circuits.</p>	<p>ART</p>

KS1 and KS2 should have a minimum of 8 hours DT in the half term that it is taught in.