

### DT Curriculum at Gawthorpe Community Academy

In our DT curriculum, we work to develop children’s skills progressively across their time at the academy. Each DT topic is linked to a project with a physical outcome, enabling children to understand how important the planning, making and evaluating cycle is. Where relevant, these projects are linked to the topic or science curriculum.

<p><b>Key stage 1</b></p> <p><b>Objectives to cover</b></p> <p>Cutting, shaping, joining, finishing</p> <p>Construction, textiles, ingredients</p> <p>Basic principles of healthy and varied diet to prepare dishes, understand where food comes from.</p> <p>Build structures, explore making stronger, stiffer, more stable, explore and use mechanisms.</p>	<p><b>Year 1:</b></p> <p>Making moving toys.</p> <p>Use of bricks to construct different forms of transport.</p>	<p><b>Year 1:</b></p> <p>Making a bag and healthy lunch box.</p> <p>Including a visit to Tesco (farm to fork).</p>	<p><b>Year 1:</b></p> <p>Looking at bird food, Red Riding Hood’s basket.</p> <p>Making bird tables, houses and bridges. Using art straws etc.</p>
	<p><b>Year 2:</b></p> <p>Textiles – sewing making individual purses for Christmas presents.</p> <p>Ongoing weekly food activities.</p>	<p><b>Year 2:</b></p> <p>Making Photo frames – card</p> <p>INSPIRE morning</p>	<p><b>Year 2:</b></p> <p>Wheels and axles – making a moving toy</p>
<p><b>Key stage 2</b></p> <p><b>Objectives to cover</b></p> <p>Cutting, shaping, joining, finishing</p> <p>Construction, textiles, ingredients.</p> <p>Understand apply principles of healthy varied diet. Prepare and cook a predominantly savoury dishes using a range of cooking techniques. Understand seasonality, how ingredients are grown.</p> <p>Strengthen, stiffen, reinforce complex structures, gears, pulleys, cams, levers, linkages, electrical systems, circuits, buzzers, bulbs, motors.</p> <p>Program monitor and control. Through ICT.</p> <p>Food in 3, 4 and 5 – delivered through rolling programme linked to topic.</p>	<p><b>Year 3:</b></p> <p>Textiles - Making Christmas decorations.</p>	<p><b>Year 3:</b></p> <p>Bug boxes using wood: linked to science</p>	<p><b>Year 3:</b></p> <p>Making Light houses (electrical)</p> <p>INSPIRE morning</p>
	<p><b>Year 4:</b></p> <p>Making bridges – strengthening, stiffening, reinforcing.</p>	<p><b>Year 4:</b></p> <p>Design and make a Roman weapon using pulleys and levers.</p> <p>INSPIRE morning</p>	<p><b>Year 4:</b></p> <p>Making an electrical board game – using buzzer, bulb, motor etc.</p>
	<p><b>Year 5:</b></p> <p>Making aqueducts - strengthening, stiffening, reinforcing.</p>	<p><b>Year 5:</b></p> <p>Textiles project linked to Brazilian printing – costume joining materials, shaping.</p>	<p><b>Year 5:</b></p> <p>Cams and mechanisms linked to Ancient Egypt topic.</p> <p>INSPIRE morning</p>
	<p><b>Year 6:</b></p> <p>Textiles – clothes project in art, joining buttons, fastenings</p> <p><b>Programming</b> – this element is delivered through ICT.</p>	<p><b>Year 6:</b></p> <p>Textiles – sewing the batik square to make cushions and / or wall hangings. Linked to geography - rainforest topic.</p>	<p><b>Year 6:</b></p> <p>Food tech – Christmas cakes linked to Victorians.</p> <p>Afternoon tea for parents – INSPIRE morning. Links to sustainability.</p>