



SUPPORTING CAREERS EDUCATION IN DESIGN & TECHNOLOGY

<p>Year 7</p>	<p>Existing</p> <p>Term 1 Textiles: Design links to Industry, manufacturing processes, researching existing products.</p> <p>Term 2 Food: Food Scientists linked to Food spoilage.</p> <p>Term 3 3D printing in industry – Ultimaker GB and careers linked to CAD explored with all pupils. Future careers.</p> <p>Product design homework tasks based on sustainability in manufacturing industries and employer responsibilities.</p>	<p>Planned</p> <p>BAE Systems roadshow for Year 7 (still requesting a place for the school 2024-25)</p> <p>Starter activities for subject specific careers in all subjects</p> <p>Production of raw materials in Textiles. Promote Lancashire LMI</p>
<p>Year 8</p>	<p>Term 1 Textiles: Industrial Pattern Cutting techniques. Sustainability issues in Textiles industry.</p> <p>Term 2. Commercial manufacturing and links to local business discussed in product design lessons. Focus on Sustainable brands and careers within IKEA. Homework to research the business.</p> <p>BAE Systems Design Challenge for year 8/9 involving a client brief and design problem. Teams work together to produce a design which is entered into a competition.</p> <p>Term 3 Food: Farm Trip, Arable and animal farming.</p>	<p>Farmers 4 Schools project link with Year 8 Food. Farmers came into lesson at the beginning of term and outlined the primary processing of different farming.</p>

<p>Year 9</p>	<p>Term 1 Textiles: Exploring fabric layouts in production. Problem solving skills – Making own designs, developing templates</p> <p>Term 2 : Modern Farming techniques, impact on environment issues. Options talks share the career paths linked to subjects and college courses that exist.</p> <p>Term 3 Focus on designers in Graphics looks at careers associated on the subject and case study on designers. Promote graphics as a career and links with colleges and HE locally.</p> <p>Engineering unit tasks focused on the 9 key sectors of engineering, their differences, opportunities and employee responsibilities.</p> <p>International trip to Berlin to promote careers/cultural capital and opportunity in collaboration with Languages.</p>	<p>Potential Textiles: Male fashion designers/business owners to come in as guest speakers from industry to speak to Year 8/9 to encourage boys into the subject and industry.</p> <p>Food- career options with local providers, colleges and apprenticeships, including links with T level Awards.</p> <p>Cologne D&T experience in collaboration with Languages. Culture, architecture, Design.</p>
<p>Year 10</p>	<p>Term 1 Food: Dewlay Cheese Factory Trip Engineering: Unit 1 Understanding the Engineering World Textiles: Fashion Illustration and product design and development, techniques used in industry. Researching Textiles companies</p> <p>Term 2 Ongoing discussions regarding apprenticeships and local college opportunities in GCSE classes</p> <p>Term 3 Visiting speakers from Laing O'Rourke, Westinghouse and BAE (ex-pupil) looking at specialist careers in Engineering <i>Showcase:</i> Careers wall in corridor celebrates past pupils' careers</p>	<p>Jaguar /Landrover experience visit</p> <p>TV screen to update opportunities in corridor recently replaced – implemented 2023</p> <p>October Dewlay visit delivered as part of the Dairy Section of the GCSE.</p> <p>Textiles trip to local factory manufacturing or historical links Textiles trip to work of others – Designers collections@ V&A or Fashion design museum.</p> <p>Visiting end of year Textiles and Product Designs collections at higher education establishments.</p>

<p>Year 11</p>	<p>Term 1 Food: Chef guest speakers Textiles: Industrial Pattern Cutting / Fashion and Product Collection Design / Presentation / Mannequin Draping</p> <p>Ongoing discussions regarding apprenticeships and local college opportunities in GCSE classes</p> <p>BAE Systems Apprenticeship awareness event open to all pupils interested (December 2023)</p>	<p>School Catering Manager to present to Year 11 pupils as part of the Primary research for the NEA brief.</p> <p>Looking at scales of production in industry</p>
-----------------------	---	--