

DT (TEXTILES) STATEMENT OF AIMS

THE AIM OF THE KS4 CURRICULUM IS TO DEVELOP...

SUCCESSFUL LEARNERS

Learners develop their creativity, practical skills and technical knowledge through the design and manufacture of innovative products. They investigate real-world problems, carry out research, test ideas and evaluate their work to improve outcomes. Through independent learning, resilience and problem-solving, students gain the confidence and skills needed for further study and future careers in design, engineering and manufacturing.

CONFIDENT, INSPIRED INDIVIDUALS

Learners express their creativity and turning ideas into practical solutions. They build confidence through designing, making and evaluating products, learning from both successes and challenges. By exploring innovative designs, new technologies and real-world applications, students are inspired to think creatively, develop resilience and pursue future opportunities in design, engineering and related industries.

ASPIRING, RESPONSIBLE CITIZENS

Learners consider the social, environmental and ethical impact of the products they design and make. They learn the importance of sustainability, responsible sourcing of materials and designing for a diverse range of users. Through creative problem-solving and informed decision-making, students develop the skills and values needed to contribute positively to their communities and the wider world.

CURRICULUM MAP KS4

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Y10	<p><i>Theory</i> Unit 01 - Core Principals New and Emerging Technology Energy Generation and Storage / NEA Preparation Textiles 3D sketching skills Sewing machine skills Patchwork Sneaker design and model making</p>	<p><i>Theory</i> Unit 01 - Core Principals Smart and Modern Materials Systems / NEA Preparation Textile Recycled purse Hand stitched owls</p>	<p><i>Theory</i> Unit 01 - Core Principals Levers and Linkages Cams, Pulleys and Gears / NEA Preparation Textile Messenger bags</p>	<p><i>Theory</i> Unit 01 - Core Principals Materials and Material categories / NEA Preparation Textile Bucket hats</p>	<p><i>Theory</i> Unit 01 - Core Principals Ergonomics and Anthropometrics / NEA Preparation Textile Ikea redesign project</p>	<p><i>GCSE NEA</i> Context Analysis Client/User Analysis Social, Moral, Cultural Analysis Design Possibilities Work of others.</p>
ASSESSMENT	Data collected from theory assessment test			PPE		
Y11	<p><i>NEA</i> Design Brief Design Specification Design Ideas Product Analysis Design Development</p>	<p><i>NEA</i> Modelling Model Evaluation Material Planning Tools and Equipment CAD Manufacturing</p>	<p><i>NEA</i> * Evaluation</p>	<p><i>Theory</i> GCSE Exam Preparation</p>	<p><i>Theory</i> GCSE Exam Preparation</p>	<p>Final exam</p>
ASSESSMENT	Average grade of NEA and PPE.			External exam and grade in NEA		