



## PRODUCT DESIGN

**QUALIFICATION:** A Level

**EXAM BOARD:** Edexcel

**COURSE LEADER:**  
Mrs Whitton

*“Product Design gave me a good grounding and confidence in working with technology and materials allowing me to settle into my university course with ease.”*

*“Taught me to problem solve and take risks!”*

*“Gave me the freedom to explore my area of interest in technology, supporting degree course interview and my future aspiration.”*



### COURSE CONTENT

Component 1: Students will explore a wide range of materials; including modern and smart materials, and processes used in product design and manufacture. They will develop an understanding of contemporary industrial and commercial practices applied to designing and manufacturing products. Students will develop a sound working knowledge of the use of ICT and systems and control, including modern manufacturing processes and systems, they will learn and understand how these can be applied in the design and manufacture of products. In a society where environmental and sustainability issues are ever increasing, we will raise awareness of wider issues in design and technology and the profound impact on the environment and on society and that these, together with sustainability, are key features of design and manufacturing practice.

Component 2: A substantial design, make and evaluate project will be undertaken that will test students' skills in designing and making a prototype. Students are required to individually and in consultation with a client/end user identify a design possibility and design context from which they develop a range of potential solutions and then realise one through practical making activities. In this project, students will be encouraged to use creativity and imagination when applying iterative design processes to develop and modify designs, and to design and make prototypes that solve real world problems, considering others' needs, wants and values.

### PREPARATION FOR STUDYING THIS SUBJECT

Research the Bauhaus Design movement and produce an A3 inspiration board. Use a range of media and include a 150-word explanation as to which aspects of the movement you would use as inspiration for a modern product. Use both primary and secondary research plus work of designers of the Bauhaus Design Movement.

### ASSESSMENT

#### Component 1: Principles of Design and Technology

Written examination  
50% of the qualification  
120 marks

#### Component 2: Independent Design and Make Project

Non-examined assessment  
50% of the qualification  
120 marks

### FUTURE OPPORTUNITIES

University of Sheffield - Architecture  
Loughborough University - Industrial Design  
Nottingham Trent University - Product Design  
University of Lincoln - Web Technology  
Staffordshire University - Computer Generated Imagery and Visual Effects  
De Montford University - Furniture Design

### ENTRY REQUIREMENTS

Full entry requirements can be found on our website. Please ensure you check these as some courses have subject specific requirements that must be met in addition to the general entry requirements to join our Sixth Form.