



DESIGN AND TECHNOLOGY

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Introduction

Design and Technology offers students an opportunity to gain personal satisfaction and a positive experience from working with a variety of materials. The practical problem solving processes on this course will encourage independent learning, creativity and innovation. Students are encouraged to develop their own creativity, design and technological capability to produce high quality products.

The application of the skills of design production processes to a range of technological activities and the presentation of their ideas using information and communication technology, form a major element of this course. It will also allow students to appreciate the complex relations between design, materials, manufacture and marketing, and to recognise the social, moral and cultural values inherent in all design and technology activity.

Methods of Instruction

Practical coursework will develop the students' understanding of, and ability to use a variety of materials, processes and techniques to achieve products of the highest quality. Background reading and study for the course should include the reading and discussion of contemporary articles in newspapers and journals, visiting exhibitions and critical observations in retail outlets leading to discussion affecting the students own design project work.

Links to Other Subjects

Both Science and Art based courses of study at A-level will support the type of work involved in this Design and Technology course, in particular Art, Physics and Business Studies.

Degree Courses & Careers

This Design and Technology course will not only lead into Design or Engineering based degree courses at University, but will also help the student to develop an enquiring and innovative mind. Through the processes of design, analysis, make and evaluate, students will become ideal leaders in the world of Manufacturing.

A LEVEL

Pupils will follow the new EdExcel Design and Technology: Product Design Specification.

A-level: Design and Technology

Component 1: - Principles of Design and Technology – (2 hours 30 mins Exam) 50% of the total A-level mark.

Component 2: -Independent Design and Make Project – (Non-examined Assessment) 50% of the total A-level mark.