

AS/A2 Design and Technology: Product Design Graphics/ Resistant Materials

In 2008 we will be offering a suite of 4 discrete A Level subjects: Graphics/Resistant Materials/ Textiles/Systems Control

Entry requirements:

Grade C or above in Design and Technology area.

Examination board:

EDEXCEL

Teachers:

B Barker, C Ludlow, W Wall, and M Shepherd.

Timetable organisation

Product Design – Resistant Materials
Product Design – Graphics
All Design and Technology AS/A2 specifications are taught by pairs of teachers who cover the lessons between them in 5 lessons per week. The teaching of Design and Technology Product Design is of the highest quality and has been consistently described as outstanding by the ALPs performance system over the past few years.

Main Syllabus areas

Graphics/Resistant Materials

Unit 1 Portfolio of Creative Skills

This is a product investigation, design and manufacture set by teachers and assessed in school.

Unit 2 Design and Technology in Practice

A knowledge based exam of 90 minutes.

Unit 3 Designing for the future

This is a knowledge based exam of 2 hours.

Unit 4 Commercial Design

Design and make a product of your choice.

Method of assessment

Overall students will be assessed by a combination of coursework (50%) and examination (50%). Success at AS in year 12 will lead to a A2 in year 13.

Qualities required

You need to enjoy coursework and the success of creating useful and beautiful pieces of design. Exploring concepts and justifying outcomes using rigorous, analytical and fluent communicative skills, both written and graphical, should be targets which you will set yourself.

Links with other subjects

An excellent compliment to both Arts and Sciences. These subjects can be studied both as a means of developing a whole range of transferable skills or as a distinct route to the professions mentioned below.

Career prospects

Professions – Architecture; Graphic Design; Industrial Design; Designer; Craftsperson; Display and Exhibition Design; Photography; Engineering Design; Interior Design; Advertising and Media Industry; Engineering and Mechatronics; Theatrical Design; Production Manager.

For those interested in journalism, an understanding of technology and design could be a very useful specialist area. These are just a few of the many possible careers open to you.

Extension and enrichment opportunities

Visits to exhibitions and places of industrial interest are vital to the understanding of product design. Many links exist between our department and outside agencies and professional help is often sought for project work involving state of the art industrial processes, such as laser cutting.