

DT ALEVEL COURSE DESCRIPTIONS



**BEVERLEY
JOINT
SIXTH**



DESIGN AND TECHNOLOGY - PRODUCT DESIGN 2012

Good design is vital to our world and economy. This is an exciting two year course through which students develop their skills in investigating, designing, making and evaluating real products that provide solutions to real design problems whilst meeting the needs of real clients. The course can be completed as a one year course if, following review, the student does not wish to proceed to A2 level.

Year 12 AS Level (Unit 1 & 2);

Unit 1 Portfolio of Creative Skills (30% of total GCE mark)

In this unit students develop their creative, technical and practical skills through a series of product investigation, design and manufacturing activities. Students will produce **one** portfolio with **three** distinct sections which will demonstrate their creativity and flair when investigating, designing and making fully functioning, high quality products. A range of materials will be used.

The unit is internally set and marked by the centre and externally moderated by Edexcel.

Unit 2 Design and Technology in Practice (20% of total GCE mark)

In this unit students will develop a knowledge and understanding of a wide range of industrial materials, processes and commercial practices used in the field of product design and manufacture. This theory component is covered through case studies, product investigation and associated practical tasks.

This Unit is assessed through an external examination of 90 minutes.

Year 13 A2 Level (Unit 3 & 4);

Unit 3 Designing for the Future (20% of total GCE mark)

In this unit students will develop their knowledge and understanding of a range of modern design and manufacturing practices and contemporary design issues. This includes the use of ICT and systems and control technology used in the product design industry. The influence of past designers and sustainability issues are also covered.

This Unit is assessed through an external examination of 120 minutes.

Unit 4 Commercial Design (30% of total GCE mark)

In this unit, students bring together the skills, knowledge and understanding gained throughout the course. They design and make a high quality creative product, or range of products, with commercial viability using a range of materials. Students adopt a commercial design approach to their work and the involvement of a real client or end user group is essential. Sustainability issues and the use and disposal/recycling of the product are also explored.

This unit is internally set and marked by the centre and externally moderated by Edexcel.

Career Opportunities: Industrial Product Design, Graphic Design, Architecture, Engineering, Landscape Design, Furniture Design.

