



<b>Head of Department :</b>	Mr M Chittick	<b>Exam Board :</b>	Edexcel	<b>Level:</b>	AS/A2
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### **Edexcel AS Product Design (Graphics)**

Examination 50% Coursework 50%

Students in AS Product Design will produce a portfolio of evidence to demonstrate their skills in designing. This portfolio is split into three sections: Product Analysis, Product Design and Product Manufacture. In the Product Analysis section, they will disassemble and analyse the materials and production processes involved in an existing commercial product. In the Product Design section, they will use their understanding of design techniques to design their own commercial product and model CAD and Styrofoam prototypes. In the Product Manufacture section, they will use advanced practical skills to model a building or product, using a range of materials.

Students will sit a 1 hour 30 minute examination at the end of year 12, based on a knowledge and understanding of a wide range of materials and processes used in the field of design and technology. Students will also learn about industrial and commercial practices, and the importance of quality checks and the health and safety issues that have to be considered at all times.

### **Edexcel A Level Product Design (Graphics)**

Examination 50% Coursework 50%

On the A2 Course, students will develop their knowledge and understanding of a range of modern design and manufacturing practices and contemporary design issues. The modern designer must have a good working knowledge of the use of ICT and systems and control technology in the design and manufacture of products. They must also be aware of the important contributions of designers from the past which may provide inspiration for future design.

The coursework is centred on a single design task. Students will identify a need and design a solution, taking their product from concept to realisation, culminating in a 3D modelled prototype and 2D graphic design. The design portfolio is worth 50% of the A2 qualification.

At the end of year 13, students will sit a 2 hour examination.

For further information on the Edexcel Product Design specification and exemplar material please follow the link:

<http://www.edexcel.com/quals/gce/gce08/dt/product/Pages/default.aspx>

### **Preparation for the Course**

It is advised that in preparation for the AS Product Design Course students should begin a sketchbook over the summer holidays. The sketchbook should include 2D and 3D renderings of interesting products, buildings, vehicles and other man-made items. The sketches should be in pen, pencil, markers, coloured pencils, pastels or any other drawing implements, and should demonstrate the student's ability to communicate designs on paper.