

# Design & Technology – Product Design: Graphic Products with Materials Technology

**Team Leader** Miss J Shrapnell

## Aims

- Develop and sustain innovation, creativity and design and technology capability, to recognise constraints and to produce high quality products
- Develop critical understanding of the influences of the processes and products of design and technological activity from a historical perspective and in current practice
- Apply essential knowledge, understanding and skills of design production processes to a range of technological activities and develop an understanding of industrial practices use information and communications technology (ICT) to enhance their design and technological capability
- Recognise the social, moral, spiritual and cultural values inherent in design and technological activity, and develop critical evaluation skills in technical, aesthetic, ethical, economic, environmental, social and cultural contexts
- Develop as discerning consumers able to make informed choices
- Develop positive attitudes of co-operation and citizenship and work collaboratively.

## Course Description

The two-year course is designed to meet the GCE specification through:

### AS (Advanced Subsidiary)

There are two units of assessment, one unit is assessed by internal marking and external moderation and one unit is externally assessed by examination.

#### Unit 1: Product Development

Internal assessment  
Coursework project  
50% AS  
25% of Advanced GCE

#### Unit 2: Knowledge and Understanding of Product Design

External assessment  
2-hour examination  
50% AS  
25% of Advanced GCE

### A2

There are two units of assessment, one unit is assessed by internal marking and external moderation and one unit is externally assessed by examination.

#### Unit 1: Product Development

Internal assessment  
Coursework project  
25% of Advanced GCE

#### Unit 2: Knowledge and Understanding of Product Design

External assessment  
2-hour examination  
25% of Advanced GCE

**Exam Board** EDEXCEL (8109/9109)

## Homework

AS & A2

Pupils complete homework tasks linked to the specific area they are studying. This will involve collecting initial ideas, researching and widening their knowledge and understanding of the work of artists, designers and craftspeople and developing their ideas. It will also include team presentations, mini design projects and the creation of revision cards to aid exam preparation.

## Assessment

All work is assessed against EDEXCEL GCE guidelines with written and verbal feedback given to students to ensure that pupil progress is regularly monitored and agreed targets are set for progression.

Pupils are encouraged to develop self-assessment and peer-assessment skills through regularly evaluating their own and others work.

## **Extra Curricular**

Students have the opportunity to take part in a number of visits, including the UCAS convention dedicated to Further and Higher education in Art & Design. Students are also always welcome to complete coursework in the dedicated room with support from the D&T staff.