

# PRODUCT DESIGN

## WJEC A LEVEL

Product Design offers a unique opportunity for you to identify and solve real problems by expanding your capacity for imaginative, innovative thinking. The course seeks to develop your knowledge, understanding, skills and application for designing & making high quality, innovative products. You will create products that are fit for purpose, satisfy desires and needs, provide sustainable solutions, enhance our daily lives and, most importantly, give you the opportunity to demonstrate your creativity and design capability. Students must possess a keen interest in design, be committed to the development of their own design skills and be prepared to complete a highly professional portfolio of work.

### The Course Involves:

#### Year One:

**Examination Paper** - to assess knowledge and understanding of:

- Designing and Innovation
- Product Analysis
- Materials and Components
- Industrial and Commercial Practice

#### Design and Make Task

#### Year Two:

**Examination Paper** - to assess AS theory plus the following:

- Human Responsibility
- Production Systems & Control
- Public Interaction
- Industrial and Commercial Practice

**Major Project** - The WJEC will set a number of themes for the major project, though candidates may also submit their own proposals for approval.

### Assessment

AS - 40%

- **Unit 1** - AS Examination Paper
- **Unit 2** - Design & Make Task.

A Level - 60%

- **Unit 3** - A Level Examination Paper
- **Unit 4** - Major Project.

### Study Visits

Department visits include The Big Bang @ Wales Rally GB, EESW 6<sup>th</sup> Form Challenge and the Design Museum London.

### Particular Subjects, Skills or Interests

Students should possess a knowledge and understanding of Product Design through their achievement of a grade B/6 in GCSE Design and Technology and have a keen interest in design.

### Post-18 Opportunities

Product Design is an excellent choice in preparation for the study of a Design and Technology related degree such as Product, Industrial, Graphic, Automotive, Web or Interior Design. The course has clear links with Art & Design, but Product Design also complements the Mathematics and Physics needed for Engineering and Architecture

**Subject Leader:** Miss L Thornton

## Subject Champions

2020/21



#### Charlotte Roberts

**Studying:** Product Design, ICT, Art, Craft & Design, Medical Science & Welsh Baccalaureate.

**Future aspirations:** to study graphic design or animation.

#### Aiden Parr

**Studying:** Product Design, Biology & Welsh Baccalaureate.

**Future aspirations:** interior architecture/product design at university.

*“Product Design allows you to express your creativity by using different machines and software. It gives you an insight into the modern production world, from how things are made to why. This A Level also has a perfect balance between written exams and coursework.”*