Maelor Sixth



Product Design
WJEC A Level

Subject Leader: Mrs L Davies

Introduction

A Level Product Design is an exciting, creative and practical subject where you will learn to identify real-world problems and develop innovative, sustainable solutions through imaginative designing and making.

You will follow a rigorous, iterative design process, using research, creativity, experimentation and critical evaluation to explore ideas, develop and refine designs, and produce high-quality prototypes. You will apply technical knowledge and practical skills while considering the needs, wants and aspirations of users. Develop your imagination, challenge yourself and create innovative products that solve real-world problems.

Come and discover Product Design!

Visit us this Open Evening to explore the subject, see the exciting projects you could create, discover the skills you will develop and find out where A Level Product Design could take you.

Come along, get inspired and start designing the future!

The Course

Year One (AS)

Unit 1 - Written examination paper to assess knowledge and understanding of:

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

Unit 2 - Design and Make Task
A design and make task, based on a brief developed by the candidate, assessing the candidate's ability to: identify, investigate and outline design possibilities; design and make prototypes; analyse and evaluate design decisions and wider issues in design and technology.

Year Two (A2)

Unit 3- Written examination paper to assess AS theory plus the following:

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

Unit 4 - Design and Make Task
A design and make task, based on a brief developed by the candidate, assessing the candidate's ability to: identify, investigate and outline design possibilities; design and make prototypes; analyse and evaluate design decisions and wider issues in design and technology.

Assessment

The subject content for AS Product Design will be assessed in the written examination and non-exam assessment (NEA).

AS - Year 12
Unit 1 - written examination in the summer of Year 12 worth 20%.
Unit 2 - coursework worth 20% of the final A Level grade

The subject content for A2 Product Design will be assessed in the written examination and non-exam assessment (NEA).

A Level - Year 13
Unit 3 - written examination in the summer of Year 13 worth 30%
Unit 4 - coursework worth 30% of the final A Level grade

Entry Requirement

- A keen interest in design
- GCSE grade B/6 in Design and Technology (desirable not essential)
- GCSE grade C/4 in English and Maths

Links to Future Careers

A Level Product Design enables you to combine an understanding of materials and manufacturing processes with your own creative visions by taking charge of the design process. The course opens the door to a wealth of exciting career opportunities across the creative industries, providing the knowledge, skills and experience to help shape your future.

Career paths to think about:

- Product Design
- Graphic Design
- Architect
- Construction Manager
- Mechanical Engineer
- Fashion Design
- Web Design
- Interior Design
- Modeller/Sculptor
- Industrial Design
- Automotive Design
- Furniture Conservator
- Games Developer
- Web Design
- Fashion Stylist
- Exhibition Design
- Manufacturing Engineer
- Set Design

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