

# D & T: Product Design

*Dylunio a Thechnoleg: Dyluniadau*



Examination Board

WJEC

## Overview of course content

Over the course, Learners will be required to study 6 Core areas:

1. Impact of new and emerging technologies
2. Evaluation of new and emerging technologies
3. Energy
4. Modern and smart materials
5. Ecological and social footprint
6. Investigating and analyzing the work of others

This is to ensure that learners have a knowledge and understanding of the world of Design & Technology. Additionally, learners are required to study one of these 3 endorsed areas:

1. Engineering Design
2. Fashion and Textiles
3. Product Design

Both the “Core and Endorsed” areas are assessed in both the examination and the design and make task (NEA)

## Summary of assessment

The course assessment is divided into 2 units with content from both the 6 core areas and the 3 endorsed areas.

### Unit 1: Written Examination: 2 hours, 50% of the qualification.

A mix of short answer, structured and extended writing questions assessing candidates' knowledge and understanding of one area selected.

### Unit 2: Non-Exam Assessment, (NEA) design and make task.

Approximately 35 hours, 50% of the qualification.

A sustained design and make task, based on a brief set by WJEC, assessing the candidates' ability to:

- Identify, investigate, analyse and outline design possibilities
- Design and make prototypes and evaluate their fitness for purpose.

## Learning Pathways post 16

Design Technology can be regarded as a STEM subject. As such it is a qualification that will assist entry into many Further and Higher Education courses. The course could also assist pupils in pursuing a career in areas such as; Industrial Design, Manufacturing, Engineering, Electronics, Architecture, Graphic Art, the Fashion industry and Sports Gear Design, Electrical Engineering, Product and Industrial Design, Television, Film and Theatre Design and many types of modern apprenticeships.