Design Technology

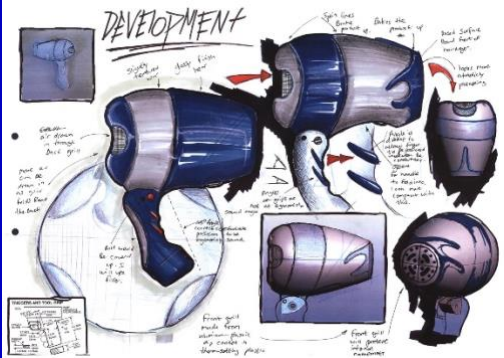| Qualification	Examination Board	Specification Code
GCSE	WJEC	3603

Course Overview

This WJEC GCSE in Design and Technology offers a unique opportunity in the curriculum for learners to identify and solve real problems by designing and making products or systems. Through studying GCSE Design and Technology, learners will be prepared to participate confidently and successfully in an increasingly technological world; and be aware of, and learn from, wider influences on design and technology, including historical, social/cultural, environmental and economic factors.

Notes

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Topics Covered

There will be a wide variety of topics covered in Yr10: Impact of new and emerging technologies, evaluation of new and emerging technologies, energy, smart materials, ecological footprint, analysing the work of others.
We will also cover materials, processes and techniques which will be more focused on product design.
In Yr11 the year will be spent on coursework and revision for the exam.

Assessment

The pupils will be assessed at the end of every assignment in Yr10. There will be 3 major assignments throughout Yr10.

Yr11 will be coursework. They will be marked after every section and feedback given for ways to improve their product.

Course Progression

In Yr10, the pupils will cover the course outline as described by the WJEC.

In Yr11, the pupils will start with the 50% coursework element (design and make) followed by revision for the remainder of the year.

Career Opportunities

Here are just some of the industries and jobs that are facilitated by a qualification in Design and Technology:

ART AND DESIGN - Graphic Designer, Sculptor, Gallery Curator.
IT AND THE INTERNET - Games Developer, Software Programmer, Network Engineer, Web Designer.
FAST CONSUMER GOODS - Mechanical Engineer, Product Designer, Market Researcher.
CONSTRUCTION – Tradesperson, Architect, Construction Manager.
MANUFACTURING – Manufacturing Engineer, Manufacturing Manager.

You could of course carry on studying on Design and Technology at an advanced level, which would allow you the opportunity to study a range of courses at university.

For Further information

www.wjec.co.uk