Design Technology

Level 3
A Level *Course Leader:* **Mr M Crudington**

Entry requirements

- Grade 5 or above in any GCSE Design and Technology subject
- A passion for designing and making in various materials
- An ability to be creative and to solve problems
- The ability to be self motivated to complete coursework
- A confident knowledge of practical Maths involving trigonometry, area and volume

Why choose this course?

Design Technology is an enormously satisfying subject. You have an idea and with the use of tools, materials or computers it comes to life. Design Technology offers a unique opportunity for students to identify and solve real problems by designing and making a range of products.

By studying this course, students will benefit from the many transferable skills in the study of this subject which will be highly prized by any university; it develops candidates' organisational skills and their capacity for imaginative, innovative thinking, creativity and independence.

This syllabus allows students to work in a wide range of contexts relating to their personal interests. Projects can be tailored to many design fields such as designer maker, industrial designer, graphic designer, jewellery designer, interior designer and architect to name a few; the opportunities are endless. Come and design your future!

Please note: Students are expected to contribute towards the cost of materials in this subject. Costs will vary depending on projects chosen.

Web Links

www.creativesteps.org

www.enginuity.org.uk

www.becondtructive.co.uk

http://www.eduqas.co.uk/qualifications/design-and-technology/as-a-level/A-LEVEL-Design-and-Technology-Specification.pdf

What does the course involve?

A Level

Component 1: *Design and Technology in the 21st Century*

Written examination: 3 hours 50% of qualification

Learners take a single examination in one of the following endorsed areas:

- fashion and textiles
- product design

The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of:

- technical principles
- designing and making principles along with their ability to analyse and evaluate wider issues in design and technology

Component 2: *Design and make project*

Non-exam assessment: approximately 80 hours 50% of qualification

A sustained design and make project, 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 outcomes, including for prototypes made by themselves and others

The design and make project will be based within the same endorsed area as the written examination.

Possible career pathway

Design Technology could take you into a number of exciting career paths. Of course there is product or automotive design. But what about computer generated cartoons? Or maybe CAD for industry appeals to you more? This course could take you into architecture, fashion design, interior design, teaching, manufacturing, apprenticeships, advertising or engineering. Complimentary A 'level courses are any of the Arts, Media, Maths and Sciences.

Note: This is our current offer which is subject to change