

Optional Subject

# Design & Technology

Please note students cannot choose Design & Technology as well as Engineering.

GCSE Qualification - Eduqas

Course Leader: **Mr Roberts**

## Successful learner profile

- Is able to arrive at innovative solutions to everyday problems.
- Enjoys using a wide range of materials including woods, metals and plastics.
- Strives to be an independent learner.

## Why choose this course?

- An excellent opportunity to creatively design and manufacture products.
- An opportunity for you to use up-to-date commercial CAD (Computer Aided Design) software to model artefacts.
- An excellent grounding in design and practical disciplines opening up future careers in construction trades, engineering, design and architecture.
- Because you enjoy making things!

## What will you study?

- How to appropriately select and combine materials.
- Safe and appropriate use of metal and woodworking machinery.
- How to generate designs using CAD, develop them and order materials.
- Evaluating and developing everyday household items.
- During the course you will design and make a range of practical items. These might include furniture, toys, clocks, storage units or items for a sport or leisure activity of your choice.

## How will you be assessed?

- Controlled assessment coursework (50%). You will need to work to an existing brief, producing a range of design solutions, using sketching, modelling and CAD techniques. These designs will then be produced in the workshop using a range of materials as required.
- Written examination (50%) on the theory of materials, the design process, safety and production methods.

## Possible progression post 16

GCSE Resistant Materials (Design Technology Workshop) provides an excellent route into: AS/A Level Design Technology, apprenticeships in wood, metal, vehicle and engineering trades, further study could lead to university courses in Product Design, Engineering, Surveying, Architecture.

## Weblinks

[www.eduqas.co.uk](http://www.eduqas.co.uk)  
[www.technologystudent.com](http://www.technologystudent.com)

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