



DT Resistant Materials

Qualification

AQA GCSE in DT Resistant Materials

Objectives

During this course students develop the ability to design and produce high quality products. In Year 10 students are able to experiment using a wide range of materials such as wood, metal, plastic and new 'smart' materials. For the GCSE project students will investigate a particular area of interest and design and make a product of their choice.

Overview

This course is suitable for students with an interest in product design who enjoy more practical based activities.

Skills

The skills developed during the course are varied and include research and the communication of ideas through drawing and ICT. Practical skills are developed using a variety of tools and including CAD/CAM processes.

Course Content

The course will cover the following topics:

- Materials and components.
- Design and market influences.
- Products and applications.
- ICT and CAD/CAM processes.
- Health and Safety.
- Processes and Manufacturing.

Assessment

The course has one level of assessment tier (A* to G).

Coursework

60%

Coursework is worth 60% of the final grade, the remaining 40% is achieved through a final exam.

Written Exam

40%