

Resistant Materials



Qualification: GCSE

Equivalent to: 1 GCSE (A*-G)

The RM course will follow the following topics:

Year 10

- A wood project developing making skills and understanding construction techniques. Understanding properties and qualities of different woods, finishing and assembly processes.
- A creative project to develop independent thinking and practical skills. This project has scope for using a range of materials and equipment. It also prepares students for their controlled assessment.

Year 11

- Completion of the controlled practical assessment and design folder.
- Exam preparation
- Final written examination paper.

Course Content

The course is split into two sections.

Unit 1 (40%) - This unit is a written examination paper containing two sections. The first section is a design section which is based on a topic made available before the examination. The second section is a general theory paper based on the practical work covered in unit 2.

Unit 2 (60%) - Controlled Assessment Design and Make Project selected from a choice of set tasks, consisting of the development of a made outcome and a design folder. The project will also include appropriate ICT in the form of CAD/CAM and drawing skills using google sketch up. The project will develop a number of different practical skills, techniques and encourage independent learning and problem solving.