

RESISTANT MATERIALS

GCSE RESISTANT MATERIALS EDEXCEL 2RMO1

Design & Technology: Resistant Materials

This is a single level examination, covering the grade range A* -G.

There is one written paper, lasting ninety minutes which tests the candidates' knowledge and understanding of Resistant Materials Technology through questions on designing and making. There are fourteen questions which require responses to multiple choice questions; short and extended written answers and a design question. There is no choice of questions. This paper accounts for 40% of the final grade.

Coursework

This takes the form of one project. Candidates are expected to design and make a quality product in resistant materials. This will normally be done in year 11, take 40 hours to complete and will account for 60% of the total marks available. Students will select a project area to study from a range of subjects that are set by the Examining Board

This is Essentially a Course of Designing and Making

A broadly based approach is used to deliver the subject, which covers the major aspects of both Design and Manufacturing. Students are taught a range of approaches to design, enabling them to produce innovative solutions to design problems. During the course they will develop their drawing, modelling and making skills and become familiar with industrial processes. Students are encouraged to express their own interests in their coursework, which they will have the opportunity to realize in the full range of resistant materials. This is a demanding course in both time and energy. Students find it highly rewarding.

Students with a talent for, or interest in solving design related problems and who possess a good level of practical skills should consider this course as a route into other areas of technology and related subjects. Students often study Resistant Materials at GCSE and opt to study Graphics at A-Level where they find their GCSE experience of great benefit to their making work.

Please note that only under exceptional circumstances will students be allowed to study both Resistant Materials and Graphics. Students wishing to should speak to Mr Dunkley before completing their options sheet.

Further details are available from Mr Dunkley on ext 5767 or email rwd@hinchbk.cambs.sch.uk