



ISCA

Design Technology

GCSE RESISTANT
MATERIALS
Past Projects



Resistant Materials

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Who is this course for?

The course is designed for people who like to solve problems, present and make ideas in wood, plastics, metal . You must also like working in the workshop.

If you have enjoyed your experiences of designing and making products in the workshop at KS3 then Resistant Materials could be the course for you.

Resistant Materials provides you with a skill set that would be an asset to a number of jobs or further education courses. These qualities include: planning, organisation, confidence, thinking, budgeting and practical skills. If you are thinking of going to University to follow a Design or Engineering based course then the above attributes and the theory side of GCSE Resistant Materials will really help you along your way.

If you are going to college it is a great course to give you support into A level courses such as Design Technology, Art and Design Media, Diploma in Creative and Media. It is also a good basis for joining practical courses such as carpentry etc.

Careers in the future could include Art Directors, Set Designers, Graphic Designers, Architect, Sports Engineer, Special Effects Technician, Carpenter, Materials Engineer, Biomedical Engineer, working in construction, Product Designer.



What GCSE Resistant Materials involves:

Course Details

Year 10:

Throughout year 10 a number of mini projects are completed. These include basic drawing skills and basic use of hand tools and machinery. Students are also expected to complete a range of home learning tasks to reinforce theory taught during the lessons.

Assessment structure

Unit 1 : Written examination (40%)

1 hour 30 minutes written examination sat at the end of year 11.

Unit 2 : Design and Make Assignment.

(60%)

Design Folder: This is worth 30% of the overall marks and consists of the research and design element of the assignment.

Manufacturing the product: This is worth 30% of the overall marks and is mainly based on the making of the product designed in the previous Unit.

Please note:

Do not take this subject if you do not like drawing or making.

A contribution towards the costs of materials will be expected.

