

GCSE Resistant Materials

Student representative

Ryan Farbrace

I have found manufacturing my product very interesting. Being able to use the tools and equipment in the workshop is great! I've been able to see my designs come to life.



Exam Board: AQA

Duration: 1 Year

What is it worth? 1 GCSE

Why take this course? Who is it for?

This course will allow students the opportunity to design and make products in a practical environment using a range of materials and techniques, such as woods, metals and plastics. This course is suited to students who enjoy practical lessons, who want a challenge and are enthusiastic about industry products such as, funky light designs or Xbox or PS3 controllers.

What does this course involve?

Students will study a range of topics such as materials used when making a product in industry, component adhesives and applied finishes, market influences, social and cultural influences, safety in the working environment, techniques and processes, mechanical systems and electrical systems. Students will design and make product(s) using latest technology (Pro-Desktop, 2D & 3D Software, CAD & CAM) to prepare them for the world of work.

What possible progression routes are available after taking this course?

The course provides an excellent route into GCE Product Design and the Diplomas in Manufacturing or Engineering. Students will also be able to study another technology option such as Graphics for an extra GCSE. (Option choice following year)

What are the special features?

Students will develop and build on their skills used at Key Stage 3 to build a number of products, develop students confidence in their ability to work with wood, metal, plastics and CAD/CAM

What possible careers follow on from this course?

GCSE Resistant Materials leads directly into GCE Product Design. Students will then have the opportunity to progress onto advanced courses.

How you will be assessed?

Unit 1 – Written paper worth 40% based on pre-released material. (Single Tiered exam) Unit 2 – Design and Making Practice worth 60% on a single activity.

Who do I see for further information?

Mrs Hickinson and Mr Barnston

Technology

Current results
43% A-G