

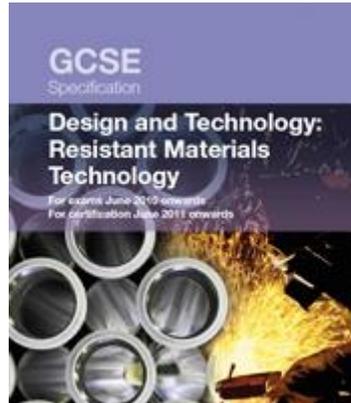
FULL TITLE OF COURSE

**GCSE Resistant Materials**

EXAMINATION BOARD AND CODE

AQA – 4560

**CONTENT OF COURSE**



GCSE Design and Technology:

Resistant Materials helps students develop the ability to design and make products with creativity and originality, using a range of materials and techniques.

This specification requires students to develop their knowledge of woods, metals, plastics and composite materials. Other materials may also be used and the use of new technologies is also encouraged.

Students will be enthused and challenged by the range of practical activities possible. They will be encouraged to learn to use, understand and apply the knowledge gained through out the course, as they design and make products using a range of materials and new technologies to prepare them for the world of work.

In Year 10, the focus is on developing the skills, knowledge and techniques acquired throughout Key Stage 3. This development will take the form of exciting mini projects, product analysis and focused practical tasks. By the end of their first year studying the course, pupils should have a suitable depth of knowledge to begin their GCSE coursework. In Year 11, each pupil will use their skills to produce a design folder and a quality practical outcome based on a theme set by the exam board. Through completing their coursework folder, they will revisit and develop knowledge of relevant theory which will hopefully lead them to a successful final exam.

Resistant

**ASSESSMENT**

This course has 60 per cent controlled assessment in order to recognise the importance of practical work within this subject. The other forty per cent is taken from the final examination at the end of Year 11.

**USEFUL EQUIPMENT**

A revision guide is available that works in conjunction with AQA Resistant Materials. This item is available to buy from the school or can be purchased in several stores. It is advantageous to own a set of drawing equipment consisting of pencils, rubbers, rulers, sharpeners and coloured fine line pens which are readily available and very useful when colour coding written annotation. A memory stick is not mandatory, but can prove very useful.

**POSSIBLE FUTURE COURSES AND CAREERS**

A good qualification in Resistant Materials will lead directly onto many courses at local colleges leading to entry onto degree courses at university.

The range of careers that this course could lead to is vast, including Product design, Construction, Automotive, Engineering and Manufacturing industries.

