GCSE Design & Technology: Resistant Materials

Examination Board: AQA
Contact : Miss H Pestell



Course Aims:

Pupils will be given the opportunity to acquire and apply knowledge, skills and understanding through :

- Analysing and evaluating products and processors.
- Engage in focused tasks to develop and demonstrate specialist techniques.
- Engage in strategies for developing ideas, planning and manufacturing products.
- Consider past and present Design and Technology innovations, relevant to designing and making and how these affect society
- Recognise moral, cultural and environmental issues inherent in Design and Technology.

Course Description:

GCSE Design and Technology will prepare pupils to participate confidently and successfully in an increasingly technological world. Pupils will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Pupils will get the opportunity to work creatively when designing and making and apply technical and practical expertise. This GCSE allows pupils to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment. The course is divided into two main parts comprising of both written and practical work:

Externally set examination (Core principles of DT) - 50% of final marks
Controlled assessment - 50% of final marks

Design and make tasks are set by the examination board and change each academic year. Pupils will have the opportunity to demonstrate knowledge and skills developed previously. Pupils will create an exciting and innovative portfolio of work and a working prototype.

How will I learn?

Interpret information from different sources across all specialisms and core contexts. Carry out calculations, interpret results and present findings. In order to make effective design choices pupils will need a breadth of core technical knowledge and understanding that consists of:

- new and emerging technologies
- energy generation and storage
- developments in new materials
- systems approach to designing
- mechanical devices
- materials and their working properties

Possible Career Paths:

If considering a career with any practical application, this course will be suitable. For example; joinery, manufacturing and engineering.