



DESIGN AND TECHNOLOGY

Design and Technology

In Design and Technology we aim to:

- To develop and encourage a positive working environment in both design suites and workshops, one of creativity, responsibility and safety;
- To introduce each pupil to the constructional possibilities of a wide range of materials through the practice and application of appropriate workshop processes.



These objectives are realised by our pupils working through various projects; designing, realising and evaluating their individual pieces of work.

Through their various design tasks, pupils are introduced to a variety of materials and will become familiar with a range of processes. They will learn the characteristics of these materials, their working properties and limitations, the correct constructional techniques, the tools and processes necessary for each material and the most suitable finish in a given situation.



Design and Technology offers students an opportunity to gain personal satisfaction and a positive experience given quality outcomes. The practical problem solving processes on this course will encourage independent learning, creativity and innovation.

Students are encouraged to develop their own creativity, design and technological capability and to produce high quality products.

The application of the skills of design production processes to a range of technological activities and the presentation of their ideas using information and communication technology, form a major element of all levels of D&T.

It will also allow students to appreciate the complex relations between design, materials, manufacture and marketing and to recognise the social, moral and cultural values inherent in all design and technology activity.



GCSE

Pupils opt in Year 9 and at this point the course is intended to develop, broaden and to build upon the course in Year 7 and Year 8 with our students following the full design and make process on projects of their own design. This year forms the basis of the AQA GCSE course in Resistant Materials that pupils then follow throughout Year 10 and Year 11.

Exam 50%

Controlled Assessment 50%

A-level

Pupils follow the EdExcel Design and Technology: Product Design specification.

Component 1:

Principles of Design and Technology – (2 hours 30 mins Exam)

50% of the total A-level mark.

Component 2:

Independent Design and Make Project – (Non-examined Assessment)

50% of the total A-level mark.



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