Design & Technology

Year 7 - 11

Aim

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 various working through projects; designing, realising and evaluating their individual pieces of work.






Student Development

Students will learn a variety of techniques and theory content to apply to their research and design. The culmination of both sides of the course will give them a wider and more in-depth view of how the choices designers make effect the wider world.

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.

Year 7 – 9

Students will produce a variety of physical projects over the first few years of Design and Technology.

Year 7 & 8 complete 2 projects per year, with one focusing on traditional materials such as timber and plastics, and another focusing on textiles.

After year 8 students have the option to not continue with D&T. If they do choose to continue a major project where both timbers and textiles are combined into a larger piece of coursework.







GCSE

After year 9 students can once again opt in or out of the GCSE. If they opt in pupils then follow the AQA GCSE course throughout Year 10 as a practice and year 11 as a their final.
The course is graded in both areas:
- Exam 50%
- Non-Examined Assessment (NEA) 50% .



A-Level Course

Students will follow the Edexcel Design and Technology: Product Design Specification. This includes two components similar to GCSE.
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 (NEA) - 50% of the total A-level mark.

Careers

Product design courses don’t just lead you into design-based careers such as architecture and engineering.

These types of courses show your understanding of research, analysis, problem solving and 3D thinking alongside hands on skills. Paired with other subjects, product design can grant you access into wider areas such as marketing, project management and other leadership roles.






Please speak with Mr Birkett, Mrs Smith or Miss Burns for more information