

Design & Technology (Product Design)

The aim of A Level D&T (Product Design) is to equip students with design skills for the future, to encourage creativity and innovation and to offer progression from GCSE and beyond to future careers and Higher Education.

We want all students to explore ideas of originality and value, to question and challenge, to envisage what could be, but equally we need them to achieve the results that will progress their careers. This course will allow students to develop a range of skills which demonstrate their creativity and apply these to real life.

All modern designers have to consider issues of sustainability when designing new products. A sign of the modern technological age in which we live is that human actions have had a negative impact on our environment. New products should provide solutions, rather than add to existing problems. They should innovate without contributing further to the extraction and depletion of natural resources, pollution from manufacturing and disposal of large amounts of waste products. Good design is vital to our world and economy, so it is important therefore, that we enthuse and create future designers with a passion for designing our future. By the end of this course students will have a deep insight as to how the designed world operates, and be able to effectively design products for the future.

This course would lead to a degree course at university and /or self employment, or a career in areas such as product /industrial design, architecture/civil engineering, construction/maintenance and engineering/mechanics.

Publishing as well as a wealth of practical product design: Concept Design (eg consumer products, packaging, vehicles, fashion etc) and Built Environment (eg architecture, interior design, sets and staging design).

The course would lead to a degree course at university and/or self-employment, or a career in areas such as graphic design, advertising, product design, architecture, construction and engineering.

ASSESSMENT and CONTENT

Component 1: Principles of Design & Technology: An externally assessed, 2.5 hour written exam out of 120 marks (50% of the qualification)

Component 2: Independent Design & Make Project/NEA: Non-examined assessment. An extensive “design and make” portfolio in which students will record their investigation, design, development, prototyping, manufacture and evaluation of a product of their own creation (50% of the qualification).

The course requirements...

Grade B or Band 6 or higher in any Design & Technology GCSE (ie Product Design).