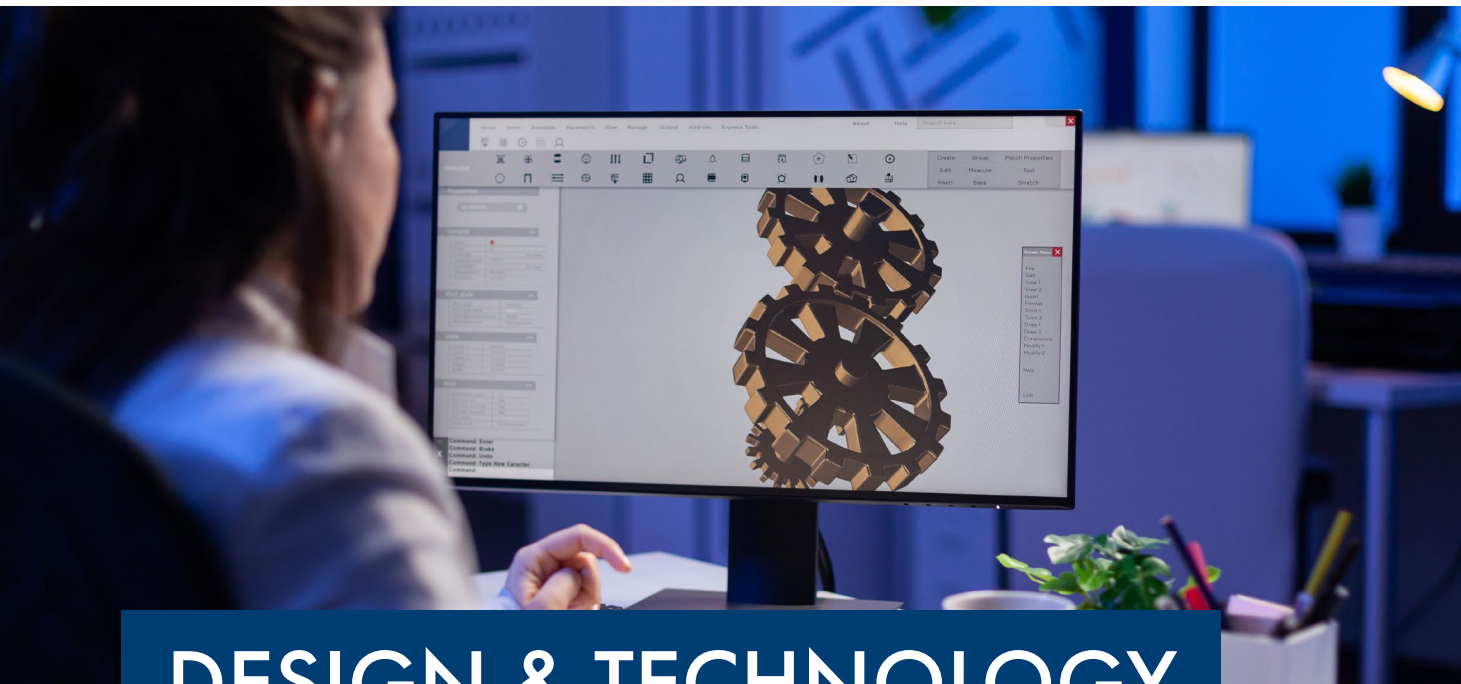




DESIGN & TECHNOLOGY

PRODUCT DESIGN

A Level

Course Outline

Design and Technology is about designing things in consultation with a client or user group and then making either a prototype or scale model. This course allows you to demonstrate and improve your graphical and practical skills as well as studying a range of materials, their properties and forming processes. You will learn about industry and how companies operate. You will be encouraged to take an interest in global issues and how these affect the way modern products are designed and manufactured.



Useful skills and experience

It will help if students have an interest in the shape and style of modern day products, what it is that makes them desirable and how they are designed and produced.

An ability to sketch is very useful but not necessarily essential as much of the project development work will be done using a variety of computer software. The ability to work independently and manage your time outside of guided lessons is essential, as individual project work contributes towards half of the A-level. A good understanding of mathematics is also extremely useful.



How will I learn?

The A-Level covers the common core of theory of Product Design, which will involve a mix of taught lessons, research, activities and some practical demonstrations/ activities. The course then requires the students to undertake an individual 'design and make' project, with the opportunity to either focus on a resistant-materials outcome or an architectural model.



Assessment

- Written examination, 2 hours 30 minutes (50%)
- Design and Make Project (50%)



Where could this subject take me?

Most design based careers such as Architecture, Product Design, Graphic Design and Engineering.



Employability Skills

- The ability to solve problems.
- Being able to present work in an effective and communicative manner.
- An ability to work creatively.
- Advanced practical skills.
- A developed sense of environmental awareness.



Exam Board and Specification

edexcel

Design and Technology (Product Design) (9DT0)



Entry Notes

- Grade 4 in GCSE Design & Technology if studied.
- Grade 5 in GCSE Maths is preferred.



Complementary Subjects

- Art and Design
- Business and Economics
- Environmental Science
- IT in a Global Society
- Mathematics (if not taken then Core Mathematics is strongly recommended)
- Physics



What our students say

"You don't just sit at a classroom desk all day every day".

"Essays are all well and good but occasionally I need something creative to keep me sane".

"Differs from just learning straight facts and remembering them for an exam".

"The coursework side and the creativity side is really good and allows you to explore your mind and do as you want".

