

A Level Design & Technology

Examination Board: Edexcel

Specification Code: 9DT0

Why Design & Technology?

Design and Technology is designed to offer students opportunities to study, propose and realise prototype solutions closely linked to the real world of product manufacture. You will have the opportunity to work in a range of material areas and develop your problem solving skills in a very practical way. ICT, maths, science and business studies are subjects closely linked to and help support this subject area.

Entry Requirements

QEHS standard entry requirements will apply and in addition students will be expected to have a GCSE grade B or above in either Design and Technology, Resistant Materials, Graphic Products, Electronic Products, Product Design, Systems and Control or Textiles.

Course Content

- Component 1
2hours 30mins Theory Exam
These will be theory topics ranging from materials knowledge, processing techniques, product development and digital technologies.
- Component 2
Non-exam Assessment – Independent Design & Make Project
You will develop a design brief to solve a real problem either individually or in conjunction with a client. They will develop a range of ideas and produce one working prototype of their final product. You will produce a portfolio that demonstrates research, design, development, modelling and evaluation skills.

How does this learning differ from Pre-16 study?

Product design enables you to develop your design, modelling and making skills to a much higher level. It will also allow you to use science and maths skills in a practical environment. As an A Level it gives you the opportunity to design and make an innovative and substantial piece of practical work.

Prospects

Related further studies exist in many universities in the following courses: engineering (structural, mechanical, electronic, electrical or civil etc), manufacturing, product design, textiles, advertising, architecture, product development, business and commerce and lots more! The course could also help to secure you an apprenticeships in a wide variety of vocational areas.

*'The UK needs 1.82 million new engineers in the decade up to 2022. Studying D&T in school enables this.'
'1 million people are needed to fill new creative jobs by 2030.'*

www.data.org

Contact

Please contact Miss H. Spencer, Head of Design & Technology, if you wish to discuss this qualification further.

***In 2017 AS Product Design results
were 94% A to C with 100% of
students passing.***

***In 2017 AS Product Design results
were 45% A grade.***



@ALevelProduct

***In 2017 A2 Product Design results
were 45% A to B with 100% of
students passing.***

***94% of 2017's AS Product Design
students have continued to A2
Product Design.***