

Product Design: Resistant Materials



"Last year we built up our making and designing skills and this year I'm using what I learned to make my own desk with built in lighting. DT offers us a unique opportunity to learn practical skills not just pass an exam. I want to do Engineering at University and DT has given me a great foundation of experience with machinery and materials that I couldn't get anywhere else."

Current year 13 student

Entry Requirements –

B in English, B in Maths

B grade or above in GCSE Design Technology is desirable.

AS Level

1st Year

Unit 1 – Portfolio of Creative Skills

60% of the AS – 30% of the Final GCE

Unit 2 – Design and Technology

In Practice

40% of the AS – 20% of the Final GCE

A2 Level

2nd Year

Unit 3 – Designing for the Future

60% of the A2 – 30% of the Final GCE

Unit 4 – Commercial Design

40% of the A2 – 20% of the Final GCE

Methods of Assessment

Unit 1 –Portfolio of creative skills- Research, Design and Make

Unit 2 –1.5 hour written exam.

Unit 3 –Design and make your own product for a specific client. You choose the brief.

Unit 4 – 2.5 hour written exam.

Course Overview

This qualification emphasises two key factors: creativity and sustainability. We all want 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 qualification structure allows students to develop a range of skills and outcomes at Advanced Subsidiary (AS) which demonstrate their creativity and apply these to a design and make project at A2.

Good design is vital to our world and our economy. It is important, therefore, that we enthuse the next generation of designers with a passion for designing new products that provide solutions rather than add to the existing problems of pollution and waste.