QEHS SIXTH FORM

PRODUCT DESIGN

Pearson/Edexcel A Level

ABOUT THE COURSE

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. Computing, Maths, Science and Business Studies are subjects closely linked to and help support this subject area.

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.

Component 1 - Theory topics ranging from materials knowledge, processing techniques, product development and digital technologies.
Component 2 - 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.

ENTRY REQUIREMENTS

QEHS Sixth Form Admissions Criteria: A minimum of **36 points** across the best GCSE grades
Subject Entry Requirement: Grade 6 in any Design and Technology subject, e.g. Resistant Materials, Graphic Products, Electronic Products, Product Design, Systems and Control or Textiles.

CAREERS

Further studies exist in many universities in the following courses: engineering, manufacturing, product design, textiles, advertising and lots more! The course could also help to secure you an apprenticeship in a wide variety of vocational areas.

QEHS
SIXTH FORM

Alumni Spotlight



Lucy Houghton

A former QEHS student's experience

Choosing QEHS Sixth Form over college was easily the right decision for me. The structured support and high academic standards gave me a solid foundation, while the advanced CAD and design development skills I mastered in Product Design translated seamlessly into the workplace. I was able to hit the ground running from day one, using my skills straight away to design, refine, and engineer functional production parts for live machinery.

Studied at QEHS: 2010 - 2017

Subjects: Product Design, Maths and Psychology

Next steps: **Sheffield Hallam University**
JCB Higher Engineering Degree Apprenticeship
Manufacturing Engineer