

# Design & Technology: Product Design



## A Level

### Entry Requirements

Grade 4 (or equivalent) in GCSE Design & Technology **or** Art-related subject **and**  
Grade 5 in GCSE Mathematics

GCSE in DT is not an essential requirement for entry onto the course, however a grade 6 in Maths is needed in this case.

### Course Overview

A dynamic and demanding course combining design and making skills with technical principals. Students will deepen their understanding of a range of materials and processes enabling them to make high quality products that offer solutions for real world problems. Students will develop the skills needed to thrive in the Design & Technology environment, including confident use and understanding of new technologies, pitching design proposals and developing innovative products and solutions. Design & Technology will give students a new insight into the world around them and the skills and confidence needed to make meaningful impact in the ever changing world.

### Exam Information

Duration: 2 years

Exam Board: AQA

Contact: Mrs S Langridge

Paper 1 - Technical Principles - 30% of A Level 2.5 hours

Paper 2 - Design and Making Principles - 20% of A Level 1.5 hours

Paper 3 - Substantial Design and Make Project - NEA 50% of the A Level

### Qualification Gained

A Level in Design & Technology Product Design (3D).

### Career Opportunities

Design & Technology offers a diverse entry route into further educations and careers including Product Design, Architecture, Civil Engineering, Software Engineering, CAD CAM design and development, Marketing and Advertising, Interior Design, Graphic Design and Media and Communication.

Studying Design & Technology develops a range of skills including, creativity, planning and organisation, confidence when presenting and pitching proposals, developing ideas with the iterative design strategy and an understanding of the technology used in an ever changing modern industry.

These skills will not only prepare our students for a career in Design & Technology sectors but also offers students the chance to gain transferable skills, giving them the cutting edge in the competitive world of work.

### Subject Links

STEM related subjects including the Sciences, Mathematics, Computer Science and ICT, as well as Fine Art, Photography, Business Studies, Sociology, Performing Arts.

*"I have always loved bridges, building and seeing how things were put together. So I suppose there wasn't really one moment when I knew, but as I found out about engineering and what a career in engineering involved, it intrigued me more and more."*

*Jammie Mitchell is now a first-generation student studying at the University of Brighton. His route into the university was heavily influenced by his engagement with D&T: Product Design and STEM.*