A-Level Design & Technology Product Design

Course Outline

Could you be the next Sir James Dyson, revolutionising the way we interact with everyday products? What if you're the next Sir Norman Foster, capable of designing buildings and spaces which change the way we live and work in our ever evolving cities? Have you got the skills to be the next Sir Jonathan Ives, enabling future generations to continue to embrace new and emerging technologies in every day living as Apple have done over the last 20 years? Or could you truly change the world like Boyan Slat, who at 19 invented an Ocean Clean-up Device to help rid our oceans of plastic?

The world of Product Design is an exciting place to be and with this creative and thought-provoking qualification it will give you the practical skills, theoretical knowledge and confidence to succeed in a number of careers, especially those in the creative industries.

You will gain a real understanding of what it means to be a Designer, alongside the knowledge and skills sought by higher education and employers.

Course Requirements

Students embarking on this course are expected to have a Grade 6 in GCSE Design & Technology with a minimum of 55% in the written GCSE paper.

Course Content & Assessment

You will investigate historical, social, cultural, environmental and economic influences on Design & Technology, whilst enjoying opportunities to put your learning in to practice by producing prototypes of your choice.

- **A-Level Paper 1**
  Core technical principles, core designing and making principles assessed by a 2 hour written exams, value 100 marks. Mixture of short, multiple choice and extended response 25% towards the A-Level.

- **A-Level Paper 2**
  Specialist knowledge, technical and designing and making principles assessed by a written exam achieving 25% of the A-Level. Mixture of short, multiple choice and extended response.
      - **Section A:** Product Analysis
      - **Section B:** Commercial Manufacture
      - **Coursework:** Design and Make Project - 50% of A-Level

- **Non Exam Assessment (NEA)**
  Practical application of technical principles, designing and making principles and specialist knowledge. Substantial design and make task, 45 hours, value 100 marks. 50% of the A-Level Design portfolio and final prototype.

Progression

A-Level Design and Technology: Product Design gives you the ideal foundation to pursue either Further Education of a career in Architecture, Engineering, Graphic Design, Product Design, 3D Design, Web Page Design, Interior Design, Garden Design, Computer Aided Design and any other creative profession.