PRODUCT DESIGN

QUALIFICATION   **A Level**

Examination Board   **AQA**
http://www.aqa.org.uk/subjects/design-and-technology/as-and-a-level/design-and-technology-product-design-7552

What do I need to know or be able to do before taking this course?

You need to have completed GCSE Design Technology. You should have an interest in and an understanding of design including designers, and materials. You should be able to use a range of methods to create design ideas including the use of 2d design. You should know the design process and be able to research and analyse products and data. You should have a knowledge and understanding of materials and be able to use the workshop equipment to make high quality products.

What will I learn on this A Level course?

Throughout A level will develop your knowledge of materials including plastics, woods, metals and paper and board. Manufacturing processes within the workshops and in industry. You will gain a deeper understanding of design and design communication. You will learn about how technology, culture and the environment impact on design.

What kind of student is this course suitable for?

This course will appeal to students who: achieve a grade 6 or above in GCSE Design Technology, a flair for design, a passion for learning and experimenting, an ability to work in groups and individually and an ability to complete further study outside the class. An interest in design and product manufacture is important.

What is covered on the A level course?

A Level

Paper 1 – Written exam
Time - 2.5 hours
Worth 30% A level

Paper 2 - Written exam
Time - 1.5 hours
Worth 20% A level

Non-Exam Assessment - Design and Make project
45 hours long
Worth 50% A level

Through a mixture of short answer and extended responses the question papers require you to
- Analyse and evaluate:
  - design decisions and outcomes, including for prototypes
  - wider issues in design and technology
- Demonstrate and apply knowledge and understanding of:

- technical principles
- designing and making principles.

Content for NEA

This is a design and make project where you will explore a context, design a product make and evaluate the product.

The product context will be set by the exam board.

What could I go on to do at the end of my course?

- Engineering
- Product Design
- Automotive Design
- Transportation design
- Aeronautic Engineering
- Manufacturing
- Industrial Design
- Architecture
- Graphic design
- Textiles design
- Furniture making
- Industrial design