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 Product Design. You should have an interest in and an understanding of design including designers, design movements and historical influences. 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 both AS and 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 B or above in GCSE Product Design, 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?

ALevel

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

Paper 2 - Written exam
Time - 1.5 hours

Worth 20% Alevel

Non-Exam Assessment - Design and Make project.
45 hours long
Worth 50% AS

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.