

Product Design

A-Level



What will I learn?

A Level Product Design is taught through a mixture of theory and practical work with a focus on iterative designing. The course will broaden your knowledge of materials including plastics, woods, metals, paper and board, equipment and software. You will do this alongside learning about manufacturing processes within the workshop and industry and how technology, culture and the environment impact on design.

How will I learn?

A Level Product Design is taught through a mixture of theory and practical work with a focus on iterative designing. Some course elements involve experimenting with equipment, software and materials and others will open up discussion-based activities.

How will I be assessed?

You will be assessed through both internal and externally set assessments, which will look at both your practical and theoretical knowledge of the subject.

- Paper 1 Technical principles – 30% of overall grade
- Paper 2 Designing and making principles – 20% of overall grade
- Non Examined Assessment Practical application of technical principles, designing and making principles – 50% of overall grade

FAQs.

Do I need to be good at Maths?

A Level Product Design will require you to use Maths (as did the GCSE) and at a slightly higher level. Be prepared to have to work on it a little if it is a subject that you find challenging.

What subjects complement Product Design?

Other subjects that would complement the qualification are Maths, Art & Design, Sciences, Business, Computer Science, & Languages for example

What course could this lead to?

This course is for those who are interested in a career in technology, engineering, industrial design or marketing. It is an enjoyable and relevant course for the developing technical world in which we live. Students studying this course often go on to a wide range of degree courses including: Graphic Design, Industrial Design, Fashion, Automotive Design, Architecture and Engineering (mechanical, automotive, aeronautical). An increasing number of students are pursuing Higher Level Apprenticeships.

Exam Board

AQA

Skills Gained

Problem solving
ICT skills
CAD/CAM
Time management
both independent
and team work
Research skills
Communication
Maths

Careers

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