

# Design and Technology: Product Design

## Qualifications

Exam board: AQA A Level Design and Technology: Product Design (7552)  
Year 13 - A2 Level. A level Design and Technology (two year course)

## Entry Requirements

A minimum of 5 passes at grade 5 or grade C (including English and Maths). A minimum of a grade B in Engineering/Product Design/or Resistant Materials.

## Skills Required

Analytical approach and creative thinking. Good manufacturing/practical skills.

## Course Outline

Underlying principles

Students will study historical, social, cultural, environmental and economic influences on Design and Technology and put their learning into practice by designing and making products.

Students will develop an understanding of what it is like to be a designer and maker.

Students should develop skills useful for employment and higher education.

The three assessments units are:-

Paper 1: Core technical principles and core designing and making principles (20% of A Level)

Paper 2: Specialist knowledge, technical and designing and making principles. (30% of A level)

NEA (non-examined task.) Practical application of technical principles, designing and making and specialist knowledge. (This is a single design and make project 45 hours with an open context).

## Student Testimony

"I took A level Product Design as it allowed me to further my studies from GCSE in an exciting and creative way."

"I originally signed up to do AS Product Design as I enjoy designing and making. I am now looking to make a career for myself in design. I love solving real world problems and seeing my designs being used by people to make their own lives better and easier.

"I really like the flexibility of the subject, it allows me to be creative and explore designing and making with freedom while also being very flexible as to what I want to do and how I want to achieve it."

## Career Paths & Degree Courses

This course will support your entry into Engineering, Product Design, Architecture, Modern Apprenticeships, Fine Art and Teaching.

Paper 1	Paper 2	Non-exam assessment (NEA)
<b>What's assessed</b>	<b>What's assessed</b>	<b>What's assessed</b>
Technical principles	Designing and making principles	Practical application of technical principles, designing and making principles.
<b>How it's assessed</b>	<b>How it's assessed</b>	<b>How it's assessed</b>
Written exam: 2.5 hours 120 marks 30% of A-level	Written exam: 1.5 hours 80 marks 20% of A-level	<ul style="list-style-type: none"><li>Substantial design and make project</li><li>100 marks</li><li>50% of A-level</li></ul>
<b>Questions</b>	<b>Questions</b>	<b>Questions</b>
Mixture of short answer and extended response.	Mixture of short answer and extended response questions. <b>Section A:</b> <ul style="list-style-type: none"><li>Product Analysis: 30 marks</li><li>Up to 6 short answer questions based on visual stimulus of product(s)</li></ul> <b>Section B:</b> <ul style="list-style-type: none"><li>Commercial manufacture: 50 marks</li><li>Mixture of short and extended response questions</li></ul>	Written or digital design portfolio and photographic evidence of final prototype.