

# A level Design and Technology Product Design in Sixth Form

1 x A level (7552)

A2 exam includes all of year 1 and year 2 content

## Product Design Year 1

## Product Design Year 2

### Subject Content

#### Technical principles:

- Materials and their applications
- Performance characteristics of materials
- Forming, redistribution and addition processes
- The use of finishes
- Modern industrial and commercial practice
- Digital design and manufacture
- The requirements for product design and development
- Health and safety
- Protecting designs and intellectual property
- Design for manufacturing, maintenance, repair and disposal
- Feasibility studies
- Enterprise and marketing in the development of products
- Design communication

### Subject Content

#### Designing and making principles

- Design methods and processes
- Design theory
- How technology and cultural changes can impact on the work of designers
- Design processes
- Critical analysis and evaluation
- Selecting appropriate tools, equipment and processes
- Accuracy in design and manufacture
- Responsible design
- Design for manufacture and project management
- National and international standards in product design

### Assessment Overview A level

Paper 1	Paper 2	Paper 3
Technical Principles	Designing and Making Principles	The non-exam assessment assesses Practical application of technical principles, designing and making principles
Assessment is 2 hours 30 mins 120 marks	Assessment is 1 hour 30 mins 80 marks	Project Written or digital design portfolio and photographic evidence of final prototype 100 marks.
30% of total A level	200% of total A level	50 % of total A level

### What could this qualification lead to?

This creative and thought-provoking qualification gives students the practical skills, theoretical knowledge and confidence to succeed in a number of careers. Especially those in the creative industries. They will investigate historical, social, cultural, environmental and economic influences on design and technology, whilst enjoying opportunities to put their learning in to practice by producing prototypes of their choice. Students will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers.

Students of product Design have gone on to have a careers as Advertising art director, Automotive engineer, Furniture conservator/restorer, Graphic designer, Materials engineer, Procurement manager, Product manager, Production designer, theatre/television/film.

### Exam Board Specification

[A-level Design and Technology: Product Design Specification for first teaching from 2017 \(aqa.org.uk\)](http://aqa.org.uk)