

## AQA A-Level Design and Technology – Product Design Course Outline

The course has been designed to encourage candidates to take a broad view of Design and Technology, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.

### **Paper 1**

#### **What's assessed**

Core technical principles and core designing and making principles.

#### **How it's assessed**

- Written exam: 2 hours
- 100 marks
- 25% of A-level

#### **Questions**

Mixture of short answer, multiple choice and extended response.

### **Paper 2**

#### **What's assessed**

Specialist knowledge, technical and designing and making principles.

#### **How it's assessed**

- Written exam: 2 hours
- 25% of A-level

#### **Questions**

Mixture of short answer, multiple choice and extended response questions.

#### ***Section A:***

- Product Analysis.
- Up to 6 short answer questions based on visual stimulus of product(s).

#### ***Section B:***

- Commercial manufacture.
- Mixture of short and extended response questions

There is the opportunity for students to use the schools vast CAD/CAM resources. The design could be built using Pro Engineer then a prototype model made with the schools 3D Printer.

### **Non-exam assessment (NEA)**

#### **What's assessed**

Practical application of technical principles, designing and making principles and specialist knowledge.

#### **How it's assessed**

- Substantial design and make task
- 45 Hours
- 100 marks
- 50% of A-Level

#### **Evidence**

Digital design portfolio and photographic evidence of final prototype.

**Entry Qualifications**

Normal entry requirements to the Braintree Sixth Form.

**Career Prospects**

Careers include Product Designer, Architect, Surveyor, Engineer, CAD/CAM Designer/Engineer and Design and technology teaching.

Students can progress to higher education in a variety of degree level courses. A distinct advantage for courses such as Computer Aided Product Design and Architecture.

**Further information**

[www.aqa.org.uk](http://www.aqa.org.uk) –7552, A-Level Design and Technology – Product Design.