

AQA GCSE Product Design: 4557

GCSE Product Design: Subject Content

Students are encouraged to develop their understanding and enjoyment of product design by designing and making a varied range of three dimensional products. They will use a wide variety of processes and materials to express their ability and interest in this subject. These can include computer aided design and computer aided manufacture, workshop machinery, laser cutting, 3d printing, textiles, electronics, hand drawn and graphical work to design and make products for the real world. At GCSE, students will be asked to design, make and evaluate real products using a wide variety of media, processes and techniques of their choice.

Knowledge and understanding

Section A: Materials and Components

Learning how to identify the correct materials to create aesthetically pleasing products.

Section B: Design and Market

Influences learning how to identify customers and target markets in order to create products that can be sold commercially.

Section C: Processes and Manufacture

Learning how to identify and use the correct manufacturing methods to create their chosen products.

Students will build on their skills, knowledge and enjoyment by choosing their own product to design and make.

GCSE Product Design: How it's assessed

What's assessed?

- AO11: Recall, select and communicate knowledge and understanding in design and technology including its wider effects.
- AO2: Apply knowledge, understanding and skills in a variety of contexts and in designing and making products.
- AO3: Analyse and evaluate products, including their design and production.

How it's assessed

Component 1: Coursework.

- Coursework is worth 60% of the total GCSE mark

Coursework is set and marked by the school and is moderated by AQA.

How it's assessed

Component 2 – Controlled Assessment

- Pupils respond to their chosen starting point from an externally set assignment paper relating to their subject title, evidencing coverage of all four of the assessment objectives.

This specification in Design and Technology: Product Design encourages students to be inspired, moved and challenged by following a satisfying and worthwhile course of practical study and gain an insight into related sectors, such as manufacturing, design and engineering. It prepares candidates to make informed decisions about further learning opportunities and realistic career choices.

Non exam criteria will be marked by the centre and moderated by AQA during a visit to the centre. Visits will normally take place in June.

<http://filestore.aqa.org.uk/subjects/AQA-4555-W-SP-14.PDF>