

A level Product Design courses from September 2016

A level Product Design (3D Design): Subject Content

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

Knowledge and understanding: AS level

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 viable 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.

Knowledge and Understanding: A level

Students will build on their year 10 skills and knowledge by choosing their own product to design and make!

A level Product Design (3D Design): How it's assessed

What's assessed?

Researching your design idea

- 8 marks

What's assessed?

Developing your design idea (including modelling)

- 32 marks

What's assessed?

Making the product

- 32 marks

What's assessed?

Testing the product

- 12 marks

What's assessed?

Communication (SPaG)

- 6 marks

<http://filestore.aqa.org.uk/subjects/specifications/alevel/AQA-2550-W-SP-14.PDF>