

## Design & Technology: Product Design including Textiles and Resistant Materials

Think about the objects that you love. That favourite fashion item that you always want to wear didn't just happen. Your mobile phone with its delicious curves was designed on a computer screen. The car you yearn for started life as a clay model and the building you walk past, admire and would love to inhabit sprang from an architect's screen. As a designer, you are at the crossroads of a number of skills. You will need creativity in order to imagine the shape and function of an object. But to realise it, you will also need to know about manufacturing processes, materials, marketing and the legal and moral obligations required of a designer.

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### Course Content and Structure

#### Advanced Subsidiary (AS)

In the first year you will have two assessments:

A two hour written paper accounting for 20% of your total marks and aiming to assess your knowledge and understanding of:

- Designing and innovation,
- Materials and components
- Product analysis and
- Industrial and commercial practice

A design and manufacture task accounting for 30% of your total mark.

#### Advanced Level (A2)

The second year is similar to the first:

You will sit a second paper containing two sections and lasting 2 ½ hours; this paper builds on the theory learnt as part of the AS course and aims to assess your knowledge and understanding of the following areas in addition to the 4 covered for the DT1 Examination:

- Human Responsibility
- Public Interaction
- Processes
- Production Systems and Control

You will undertake a single substantial design project based on one of eight themes set by the WJEC and accounting for 30% of your overall grade.



#### Contribution to Key Skills:

- How to assemble data and assess it.
- How to investigate facts and use deduction.
- How to put over your point of view fluently.
- How to work as a team to achieve results.
- How to take responsibility for your own learning

#### Progression at 18+:

Product design compliments a range of other subjects. If you want a career in design you might also consider Art and Design, Business Studies, ICT, Maths or Physics.

Product Design could take you into a number of exciting career paths. Of course there's product or automotive design. But what about fashion design? Or maybe textiles for industry appeals to you more? This course could take you into architecture, teaching, manufacturing, marketing and advertising or engineering to name but a few possibilities.

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