

Three-Dimensional Design (A Level Art and Design)

OCR

This exciting A-level course offers students the opportunity to explore Product Design in a hands-on way, working in a wide variety of materials, manufacturing techniques and media. They will develop their own creative ideas, responding to areas of their own personal interest. The students will develop their skills in sketching and rendering, modelling and Computer Aided Design and Manufacture (CAD/CAM). Through a series of projects, students will be researching and analysing examples of good design and other focused research activities. They will also be guided through a broad range of manufacturing techniques, which they will be experiencing for the first time in order to utilise these as part of their own new ideas for products. Students are expected to be highly motivated, creative and have the ability to work both collaboratively and independently towards unique and imaginative outcomes for their own three-dimensional products.

ENTRY REQUIREMENTS / SUITABILITY:

GCSE in any D&T course grade 6 or higher is desirable but not essential.



There are two forms of assessment for this course:

Component 01: Personal investigation (60%)

This component is a non-exam assessment. It is worth 120 marks and contributes 60% of the overall A-Level. Students will produce two elements in response to a context: a design folder leading to a practical outcome and a related study. The related study should consist of a minimum of 1000 words. For this component, the students will complete work that often takes the form of a Design folder supported by modelling and a final piece of three-dimensional practical work. Work produced will be aimed at the Assessment Objectives and demonstrate that students have researched and responded to designers/inventors relevant to their theme. Their work will be supported by an in-depth study of their chosen designer/inventor.

Component 02: Externally set task (40%)

This component is a non-exam assessment. It is worth 80 marks and contributes 40% of the overall A-Level. A range of themes will be issued by the exam board on 1st February in Year 13. There will be a range of themes each with written and visual starting points, a brief and stimuli. One option will be chosen on which the candidate would base their response.

Once the themes are available the students will select a title/starting point from which to develop ideas. They will have time to produce preparation work that satisfies the first 3 AO's. The preparation work is worth 30% of the marks awarded for this unit. Candidates will then complete their task over a set period of 15 hours of supervised time. The focus of the 15 hours is AO4.

ASSESSED / EXAMINED:

Both Component 1 and Component 2 are assessed using the same four Assessment Objectives (AO):

- AO1 Develop ideas through focused research and investigations
- AO2 Explore and select appropriate resources and materials
- AO3 Record ideas and observations through sketching, formal drawings and Computer-Aided Design
- AO4 Present a final outcome developed from work carried out for the other AO's

LEADS TO:

D&T is the route to so many practical and creative apprenticeships, university or college courses and careers.

Possible routes could include Engineering, Architecture, Materials Technology, Design & Production, Interior Design, Graphic Design, Computer Aided Design (CAD), Computer Aided Manufacturing, Graduates in STEM can expect to receive amongst the highest salaries of all new recruits.