

A LEVEL PRODUCT DESIGN



Course description

Awarding Body: OCR Design and Technology: Product Design (H406/1 and H406/2)

Examinations

A2 level - Principles of Product Design - (01) 80 marks 1 hour 30 minutes written paper, 26.7% of total A Level - Problem Solving in Product Design - (02) 70 marks 1 hour 45 minutes written paper, 23.3% of total A Level

Non-exam assessment

A2 Level - Iterative Design Project = 100 marks, Approx. 65 hours Non-exam assessment, 50% of total A Level

Course content

The content of this component is focused towards products and applications and their analysis in respect of:

- materials, components and their selection and uses in products/systems
- industrial and commercial practices
- wider issues affecting design decisions.

It is essential that materials and components are studied from the perspective of analysing modern consumer products that are designed to meet identified consumer needs, their design and manufacture, and taught within the context of product development and industrial and commercial practices.

Learners should be familiar with a range of materials and components used in the manufacture of commonly available products, and they should be able to make critical comparisons between them. The aim of the component is to give learners a framework for analysing existing products that enables them to make considered selections of appropriate materials and manufacturing processes when designing. The component brings together the knowledge, understanding and skills acquired in the NEA.

Entry requirements

Grade 7, 8 or 9 at Design and Technology/Engineering GCSE

Future opportunities

Product Design, Architecture, Furniture Design, Jewellery Design, Interior Design and this course introduces students to the creative and manufacturing possibilities.

Students in year 12 are invited to apply for position of Student Subject Leader. Their role will be to promote the subject across the school, mentor younger students, run extra curricular projects, liaise with parents at Open Evenings and generally be an ambassador for the subject across all key stages

Further information

Our students have progressed to leading universities in the design and creative industries such as Brunel University, UAL, Southampton, Loughborough, Bournemouth, additionally students have been awarded internships with designers such as Vivian Westwood.