

Sixth Form – A Level course Description

Course title: Design and Technology – Product Design H406

Entry Requirements: GCSE grade B or above in Product Design, Resistant Materials or Graphics.

GCSE Maths grade C or above. An interest in designing and making (essential)

Topics Covered:

In Year 12	In Year 13
<ul style="list-style-type: none"> • Product Analysis • Applied mathematical skills • Performance characteristics of materials • Technical application of materials, product functionality, manufacturing processes and techniques • Sustainability - the wider social, moral, economic and environmental issues that impact on the design and manufacturing industries. 	<p>Iterative Design Project H406/03 A substantial design, make and evaluate project centred on the iterative design process of explore, create and evaluate.</p> <p>Students will identify a design opportunity or problem from a context of their own choice, and create a portfolio of evidence in real time through the project to demonstrate their competence.</p> <p>Approximately 65 hours Non-exam assessment (NEA)</p> <p>NEA: 50% of total A Level</p>

Exam Board: OCR

Details of Examinations:

In Year 12	In Year 13
No exam requirement	<p>H406/01: Principles of Product Design (Written paper 1hr:30 mins) 26.7% of total A level</p> <p>H406/02: Problem Solving in Product Design (Written paper 1hr: 45 mins) 23.3% of total A level</p>

Post-18 Progression and Pathways to universities:

There are a range of pathways which this course can offer at university, including:

- Further education (Degree courses in design or engineering) and/or work-based programmes

- Access to a range of career progression in product design, engineering, architecture, graphic design

Manufacturing industries and fashion.

Enrichment:

In this course, you will be offered the opportunity to visit:

- The Design Museum
- Centre for Alternative Technology
- Business Design Centre
- Victoria and Albert Museum

The NEA Project work will be reinforced by industrial visits and online support materials.

Lead Member of Staff: Mr E Frazer

Email: frazer.e@sta.islington.sch.uk