

LONG TERM PLANS

Year Overview (GCE Product Design (3D) Year 12/13)



ADT Faculty

Design and Technology – GCE Product Design (3D) YEAR 12/13

Various Practical tasks and portfolio building

Aims: The specification has been designed to encourage candidates to take a broad view of design and technology, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.

AS

Unit 1 – PROD1 Materials, Components and Application

Written paper based primarily on Materials and Components and consisting of three sections.

Unit 2 – PROD2 Learning Through Designing and Making

Written (or electronic) design portfolio Manufactured outcome(s). Coursework may take a number of forms: a simple design-and-make project, two smaller projects or a portfolio of work.

A2

Unit 3 – PROD3 Design and Manufacture

Based primarily on Design and Manufacture and consisting of two sections. Candidates answer three questions: one question from three in each section, plus a final question from either section.

Unit 4 – PROD4 Design and Making Practice

Coursework, Written (or electronic) design folder and a manufactured outcome. Candidates submit evidence of a simple, substantial designing and making activity.

Cross curricular links: **Literacy:** Pupils will learn how to break down, analyse and discuss design aspects, using appropriate critical written and spoken vocabulary.

ICT: The internet will be used to research and develop ideas and a variety of design software will be used to convey ideas. Various drawing conventions will be applied to communicate and develop your design. Digital imagery will be used to support your research and your solutions and present your ideas.

Key Assessment Activity: *practical making of a furniture or lighting product, an A3 design portfolio and an end of course external examination.*