

Product Design

Summer Tasks and Reading List

Course Structure

Paper 1: Technical Principles

- Written Paper (2 1/2 hours 120 marks)
- 30% of the A-Level
Mixture of short answer, multiple choice and extended responses.

Paper 2: Designing & Making Principles

- Written Paper (1 1/2 hours 80 marks)
- 20% of the A-Level
- **Section A:** Product Analysis: 30 marks
- Up to 6 short answer questions based on visual stimulus of product(s).
- **Section B:** Commercial manufacture: 50 marks
- Mixture of short and extended response questions

NEA

- Practical application of technical principles, designing and making principles
- Substantial design and make project (100 marks)
- 50% of the A-Level
- Electronic Design Portfolio
- Manufactured Outcome
- A Candidate Record Form

Product Design is a linear course and all exams and NEA submission takes place at the end of Y13.

Further information available at www.aqa.org.uk A-Level Design and Technology-Product Design 7552.

Virtual visit the Victoria & Albert Museum

Visit the Victoria and Albert museum online. Explore the following collections:

- *Arts and Crafts*
- *Art Nouveau*
- *Art Deco*
- *Modernism*
- *Post Modernism*

Based on your 'visit' we would like you to prepare a short PowerPoint presentation on what you believe shows 'good design'



Design Museum-Mini Ventura

<file:///C:/Users/Home/Downloads/DV-Mini-Challenge-Brief.pdf>

Take part in the museums online challenge and design a new product for the Design Museum shop.



Product Analysis-Using Sketch Overlay

Ergonomics is the scientific study of people and their relationship with the environment around them. Designs can be refined to optimise them for human use.



TASK: Use tracing paper (or similar) to analyse the ergonomic features of the Dyson Supersonic and consider how they could be more effective.

Example



Product Re-Design Task

- Redesign the Dyson Supersonic
- Use your ergonomic analysis to guide your ideas
- Consider whether you could make the product more sustainable

