

<b>DESIGN AND TECHNOLOGY: PRODUCT DESIGN: RESISTANT MATERIALS TECHNOLOGY</b>	<b>DESIGN: RESISTANT MATERIALS TECHNOLOGY</b>
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**Examination Board:** Edexcel

**Syllabus Number:** AS – 9080

A2 - 9080

**Why Study DESIGN AND TECHNOLOGY: PRODUCT DESIGN: RESISTANT MATERIALS TECHNOLOGY to AS or A2 Level?**

- Technology is vital for the economic future of our country.
- We aim to provide the students with a broad and balanced approach to Design Technology, with special attention to practical investigations. Such courses allow for design innovation and takes account of the varied interests students have. It will provide grounding in the academic elements of Design and Technology, while developing awareness of its social implications.
- Resistant Materials provides students with experiences designed to promote the development of self-confidence, self-reliance and responsibility through the application of related learning.

**Entry Requirements**

You should ideally have a GCSE Grade C or above at Resistant Materials, Systems and Control or Graphics. Other students will be considered on an individual basis.

**Higher Education**

- When combined with Maths or Physics, this A Level is suitable for entry to a vast number of engineering degree courses.
- If combined with complementary subjects such as Art or Music, a route to a semi-technical course like Architecture, Industrial Design, Music Technology or the Theatrical World is opened.
- It provides good background knowledge for those entering the business world, teaching or the world of finance. It can be used as an entry qualification for a range of degree courses in Design and Technology or Technology.

**Careers**

Job areas include: Model Making, Interior Design, Film Set Design, Furniture Design, Automotive Design, Landscape Design, Product design, Restoration, Stylist, Architecture, and Engineering.

**Course Content**

- Materials and Components
- Working Properties of Materials
- Hand and Commercial Processes
- Product Manufacture
- Design in Practice.
- Modern Technologies and Materials.

**Assessment**

**AS LEVEL:-**

Unit 1 – This involves three equally weighted components :Product Analysis  
Product Design  
Product manufacture

All can be linked or unrelated. (Coursework) = 50%

Unit 2 – Knowledge and Understanding of Product Design (2 hour exam) = 50%

**A2 LEVEL:-**

Unit 3 – Further study of Product Design (2 hour exam) = 50%

Unit 4 – Commercial Product Development (Coursework) = 50%

Please note that the AS is the first half of the GCE course, and contributes 50% of the total Advanced GCE marks. The A2, the second half of the Advanced GCE, comprises the other 50% of the total Advanced GCE marks.