

Design Technology Resistant Materials AS & A Level

Edexcel Advanced Subsidiary (8RM01) | Advanced Level (9RM01)
Head of Art & Design Department – Sharon Hambly

You should do this course if ...

You should consider this course if you are interested in a career in areas such as product design, architecture, manufacturing and engineering. You should be enthusiastic and willing to learn. Your making skills will have been developed through your GCSE and you will have good safety awareness.

Skills you will develop on this course:

These vary and depend to some extent on the choice of projects undertaken. Sketching, rendering, lettering, engineering, architecture drawing, modelling, computer graphics, presentation techniques, practical and investigative skills, maps and charts are a few of the areas covered.

AS: YEAR 1

Unit 1 – Portfolio of creative skills

- Internal Assessment
- Portfolio demonstrating investigative, design and making skills.
- 60% of AS Grade
- 30% of overall Advanced GCE

Unit 2 – Design & Technology in practice

- External Assessment
- 1.5 Hour Examination
- 40% of AS Grade
- 20% of overall Advanced GCE

A2: YEAR 2

Unit 3: Designing for the future

- External Assessment
- 2 Hour Examination
- 20% of overall Advanced GCE

Unit 4: Commercial design

- Internal Assessment
- COURSEWORK PROJECT
- 30% of Advanced GCE

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How will you learn?

In a variety of ways including:

Class Activities

- Presentation of topics by teachers
- Class discussion led by students or teachers
- Product design and investigative activities
- Video presentations

Group Activities

- Practical activities in workshop
- Project work

Individual Activities

- Product investigation exercises, design exercises and set practical tasks
- Preparation of portfolios (2 during course – 1 for AS, the portfolio of creative skills, and 1 for A2, the coursework project).

Where does the course lead?

The course provides a suitable foundation for the study of Design & Technology related courses in further and higher education and for employment in a number of fields, such as product design, manufacturing and engineering. Ideally you will take this course into the second year, but you will need to achieve a pass at AS.

Assessment and Exams

Unit 1, the portfolio of creative skills, is internally assessed and counts for 60% of the 'AS' grade.

The compilation of the portfolio spans the first two terms of the course and is broken up into 3 individual sections which are

- Product investigation
- Product design
- Product manufacture

Unit 2 is a 1.5 hour externally assessed written exam and counts for 40% of the AS grade.

Unit 3 is a 2 hour externally assessed written exam and counts for 20% of the overall A2 grade.

Unit 4 is the coursework project which is internally assessed and counts for 30% of the overall A2 grade.

Entry Requirements

5C's at GCSE. Grade C or above in English Language, Maths and Design Technology.