

What do I need to know or be able to do before taking this course?

You should have studied a Design and Technology subject to GCSE level. Have an interest in design and modern day product developments. To have an ability to work with materials.

What will I learn on this A Level course?

- Knowledge and understanding of the world of designing and making
- Technological capability by the making of quality products
- An awareness of industrial processes and manufacturing techniques that underpin the manufacture of products
- An awareness of the responsibilities of designers and technologists to mankind through an increasing knowledge of the potentials and hazards inherent in technological advance, change and decision making

What kind of student is this course suitable for?

- One who wishes to pursue a career in Design and Manufacture including Manufacturing and Design Engineering, Civil Engineering, Structural Engineering, Architecture, Product Design and many more
- One who wishes to further their GCSE course
- One who enjoys the subject
- One who wants to widen their options

What examinations will I have to take to get my qualification?AS

- | | | |
|---|--------------|--------------------------------------|
| Unit 1: Written Paper | 2hrs | 80 marks 50% (20% of A Level) |
| <ul style="list-style-type: none"> • Technical principles • Designing and making principles • Ability to analyse and evaluate design decisions and wider issues in design and technology | | |
| Unit 2: Design and Make Task | 40hrs | 80 marks 50% (20%) |
| <ul style="list-style-type: none"> • Identify, investigate and outline design possibilities • Design and make prototypes • Analyse and evaluate design decisions and wider issues in design and technology | | |

The design and make task will be based within the same endorsed area as the written examination.

A2

- | | | |
|---|----------------------|------------------------|
| Unit 3: Written Paper | 2hrs | 100 marks (30%) |
| <ul style="list-style-type: none"> • Technical principles • Designing and making principles • Ability to analyse and evaluate design decisions and wider issues in design and technology | | |
| Unit 4: Design and Make project | 60hrs approx. | 100 marks (30%) |
| <ul style="list-style-type: none"> • Identify, investigate and outline design possibilities • Design and make prototypes • Analyse and evaluate design decisions and wider issues in design and technology | | |

The design and make task will be based within the same endorsed area as the written examination.

Course work / Specific arrangements / Other requirements

This is best viewed as a two year course, the first year (AS) is based on developing students' skills and knowledge obtained at GCSE. Students are expected to have a good understanding of basic materials, construction techniques, communication skills and design awareness.

What can I do after I have completed the course?

University based courses which are practical or design based – such as Engineering, Product Design, etc. Work in design based industries. This course provides a wide base foundation of knowledge from which students can progress onto many other careers.