

Design Technology

Examination Board: Edexcel

Component 1: 9DT0/01

Component 2: 9DTT0/02

Who is the course suited to?

Anyone interested in building on their knowledge, understanding, skills and application for designing quality products. Engineering designs from concept through to manufacture.

What will I learn?

A range of skills will be drawn upon and developed throughout the course:

- Decision making
- Problem solving
- Researching
- Design and make quality products
- Business & Marketing
- Enterprising & creative skills

Assessment

A Level:

- **Component 1** - Written exam 50%
- **Component 2** - Design & Make Project 50%

What is the structure of the course?

Component 1: Principles of Design and Technology (Paper code 9DT0/01) Written examination: 2 hours 30 minutes 50% of the qualification 120 marks. Course content is broken down into 12 topics.

Assessment overview

The paper includes calculations, short-open and open-response questions, as well as extended-writing questions focused on: analysis and evaluation of design decisions and outcomes, against a technical principle, for prototypes made by others; analysis and evaluation of wider issues in design technology, including social, moral, ethical and environmental impacts.

Component 2: Independent Design and Make Project (Paper code: 9DT0/02) Non-examined assessment 50% of the qualification 120 marks.

Assessment overview

There are four parts to the assessment:

Part 1: Identifying and outlining possibilities for design identification and investigation of a design possibility, investigation of client/end user needs, want and values, research and production of a specification

Part 2: Designing a prototype design ideas, development of design idea, final design solution, review of development and final design and communication of design ideas.

Part 3: Making a final prototype design, manufacture and realisation of a final prototype, including tools and equipment and quality and accuracy.

Part 4: Evaluating own design, prototype testing and evaluation.

Reasons to consider doing Design Technology at A Level:

Design & Technology is a unique subject that combines many elements from Art, Maths and Sciences. It allows you to put theory in to practice in a practical based project. Product Design gives you a wide range of skills that can lead you into many different careers, ranging from graphic design, advertising, architecture, engineering and everything in between.