

Overview

Design Technology is a very wide ranging subject. Once completed, a student can use it to gain an advantage in other fields, or as a career in its own right. It connects other subjects together in a meaningful and practical way that teaches you how to 'solve problems' of almost any kind.

Course overview

Your objective is to design and create a physical product that solves a problem of your choosing.

The Design Technology GCSE is proudly delivered only by specialist Technology and Engineering staff with Degrees or higher in the field. The Design technology course 'style' is defined by the equipment a school has available. We run 16 3D printers and 3 large scale laser cutters. This means we approach design from a CAD perspective (Autodesk Inventor) over hammers and chisels.

Our methods are unusual, but cutting edge. Tutorials for all equipment and programmes are delivered via our own Youtube tutorial channel. Students watch tutorials relevant to what they want to make, rather than a generic teaching approach.

Last year we achieved results averaging **in the top 1% for both Design and Engineering.**

Assessment method

Examinations: 50%

Coursework: 50%

Although the overall programme is 50% for coursework and 50% for exam, in truth it is 70% coursework as much of the examined component is learned through the coursework Journey.

The value of Design Technology

Design is considered a large career field in its own right, but also has the advantage of being used to enhance other career fields.

Design is the practical combination of:

- Science (15%)
- Maths (15%)
- Engineering (25%)
- Art (20%)
- Geography (15%)
- Psychology (10%)

For more information contact

Mr Lance Bartlett

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Futures

When completing this GCSE, you have the option of continuing to Engineering or Product Design at A level.

Future career paths may include:

- Design (All forms of product)
- Sciences pure sciences, forensic science, and environmental science,
- Engineering: Mechanical, Chemical, Electrical, CAD, CAM, CNC, Aeronautical, Nuclear, Renewables, Vehicle, Building, underground etc.
- Art

Relevance

Design Technology is a very wide ranging subject. Once completed, a student can use it to gain an advantage in other fields, or as a career in its own right.

It connects other subjects together in a meaningful and practical way that teaches you how to 'solve problems' of almost any kind.

Course overview

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The Design Technology A level is proudly delivered only by specialist Technology and Engineering staff with Degrees or higher in the field. The Design technology course 'style' is defined by the equipment a school has available. We run 16 3D printers and 3 large scale laser cutters. This means we approach design from a CAD perspective (Autodesk Inventor) over hammers and chisels.

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The value of Design Technology

GCSE Design is considered a large career field in its own right, but also has the advantage of being used to enhance other career fields.

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Futures

It is not a requirement that you have a GCSE Product Design qualification to take this course.

Future career paths may include:

- Design (All forms of product)
- Sciences pure sciences, forensic science, and environmental science,
- Engineering: Mechanical, Chemical, Electrical, CAD, CAM, CNC, Aeronautical, Nuclear, Renewables, Vehicle, Building, underground etc.
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Exam board

