

GCSE Design and technology qualification will prepare students to become creative and critical thinkers, developing skills to design and make prototype products that solve real life & relevant problems.



Students can select one Design & Technology Specialism subject to develop knowledge and understanding of:

- Product Design
- Textiles (including Fashion)

Students learn about specific materials related to their chosen subject this includes techniques and processes, in order to manufacture a working prototype product to achieve a functional design solution.

During the two year course they will have to study a wide range of materials including papers and boards, timber, metals, polymers and textile fibres and fabrics, they will also develop an understanding of systems, programmable components and mechanisms to support any potential design solutions they may wish to develop in their chosen subject area. Why DT?

The course structure

Examination

This accounts for 50% of the final GCSE grade (100 marks).

The examination will take place in June 2025

The examination component questions will cover both 'core' and 'in-depth' subject content.

The examination is 2 hours

Section A – Core technical principles (20 marks) Section B – Specialist technical principles of your chosen specialism (30 marks) Section C – Designing and making principles (50 marks)

The course structure

Non Examination Assessment

This accounts for 50% of the final GCSE grade (100 marks).

The non examination assessment will take place in June 2024

In the summer term of Year 10, students would undertake a practical project in school and based over 35 hours. This will be is a substantial design and make task where real life needs and contexts are identified where they 'explore, design, create and evaluate'. Design solutions are created to meet those needs and a prototype product will be manufactured.

Why DT?

All work is presented in a portfolio.

What students will learn?

GCSE D&T will equip students with a range of transferable practical and theoretical skills to:

- Generate creative solutions to benefit people and the planet.
- Communicate and develop ideas through sketches, models and computer aided design.
- Learn how products are manufactured in industry.
- Manipulate materials and use tools and equipment to create ideas.
- Work with technology and manufacturing techniques such as 3D printing, laser cutting and other computer aided design and specialist subject skills.



Future careers ... Engine Furniture Engin Furniture Engine Furniture Engine Furn