

A photograph of a student's hands operating a green metal drill press in a workshop. The student is holding the handle of the drill, which is positioned over a piece of wood clamped in the press's base. The background shows a workshop environment with various tools and equipment.

DESIGN & TECHNOLOGY

GCSE qualification

This GCSE will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise.

Design and Technology is part of everyday life and is constantly evolving. This qualification focuses on developing practical skills within a particular material area, allowing students to manufacture high quality outcomes. They'll learn about commercial processes and careers in related industries, as well as developing core transferable skills, such as collaboration and communication.

Across year 9 & 10 students will explore core technical principals, specialist technical principals and design & making principals. The projects will cover topics such as electronics, metal work, CAD/CAM-3D printing, laser cutting, vacuum forming, prototype model making, creating their own designs and following specific technical drawings as well as a range of graphic skills.

In Year 11 students will focus on their NEA (Non-Exam Assessment) which makes up 50% of their GCSE grade.

COURSE STRUCTURE:

Assessment in the GCSE is 50% for coursework, combining a portfolio and practical outcome, and 50% for the final exam which takes place in the second half of the Summer Term of Year 11. There is a single tier of entry. Students will undertake up to 4 practice Pre-public exams over the course prior to sitting the final paper.

50% NEA

50% Written Exam

Grades will be awarded 9-1.