



Design and Technology Department Curriculum Statement

Intent

The Design and Technology curriculum provides all students with the opportunity to design, create and solve real-world problems, combining practical skills with technical knowledge to produce high-quality outcomes.

We are committed to a curriculum that is accessible, ambitious and inclusive, supporting all learners while offering challenge and stretch. Through this, students become independent, resilient and creative thinkers who can work both collaboratively and autonomously.

A key priority is the development of literacy and oracy within Design and Technology. Students are explicitly taught subject-specific vocabulary and are given frequent opportunities to discuss, justify and evaluate their ideas, strengthening their ability to communicate confidently in a range of forms.

Our curriculum develops not only technical capability, but also the transferable skills valued by employers, including problem-solving, critical thinking, teamwork and adaptability. We aim to empower students to make a positive contribution to society and their future careers.

Implementation

Design and Technology is taught in a safe, well-equipped and supportive environment, where students are encouraged to take risks, be creative and develop confidence in their practical skills.

- **Key Stage 3 (Years 7–8):**

Students build a strong foundation of skills across a range of materials and processes. They learn how to design, make and evaluate products, while developing their ability to communicate ideas through drawing, modelling, discussion and written work.

- **Key Stage 4 (GCSE):**

Students complete a range of projects designed to develop independence and prepare them for their final GCSE assessment. They learn to investigate, design, make and evaluate products, applying their knowledge of materials, processes and technologies in increasingly complex ways.

- **Key Stage 5 (A Level):**

Students undertake more advanced design and make projects, working independently to develop high-quality outcomes supported by in-depth theoretical knowledge.

Across all year groups:

- Students regularly use technical vocabulary and complete written evaluations
- Lessons include opportunities for discussion, questioning and peer feedback
- Teachers provide clear feedback and support to help students improve
- Additional sessions (Session 3 and Tech Club) are available to support and extend learning

Impact

Students develop into confident, skilled and creative individuals who can apply their knowledge to a range of real-life situations.

They are able to communicate their ideas clearly, solve problems effectively and work with increasing independence. Students leave Design and Technology with a strong set of practical and transferable skills that support success in further education and a wide range of careers.

The department has been fortunate to keep in touch with many students who have gone on to be successful in their further education and a variety of careers but who all talk passionately of their Design and Technology experience and how it has supported them in areas from the field of engineering and design to the life of a paramedic.

Subject contact

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