



Yate Academy - Curriculum Long Term Plan

Subject: Design & Technology

Curriculum Statement

At Yate Academy, we believe students deserve a Design & Technology curriculum that prepares them for the world they live in—one driven by innovation, problem-solving and change.

Design & Technology provides students with the practical skills and theoretical understanding to engage positively with the designed and made world. Through creative, hands-on experiences, students learn how products are developed and manufactured, how to be innovative, and how to apply a wide range of traditional and digital technologies to improve the world around them.

Key Stage 3 Curriculum

In Key Stage 3, students are introduced to a range of technology areas, including:

- **Product Design, Graphics, Food Preparation & Nutrition**

Through a carefully planned rotation of projects, students build confidence in using tools, materials, and specialist equipment. Each area provides opportunities to explore real-world problems and encourages students to design and make solutions that are functional, appealing, and sustainable.

At the heart of our Design & Technology curriculum is:

- **Creativity and imagination** – encouraging students to develop original ideas and take risks in their design thinking.
- **Cross-curricular learning** – drawing on knowledge from mathematics, science, computing, geography, business studies, and art.
- **Practical application** – learning by doing, using both traditional craft skills and modern manufacturing techniques.
- **Critical thinking** – developing literacy through analysis, evaluation and effective communication of ideas.

Students are encouraged to consider the environmental, social, and ethical impact of design decisions, preparing them to become thoughtful and responsible designers, engineers, and citizens.

	Year 7	Year 8	Year 9
Term 1	Materials and Manufacture	Graphics	Built Environment
Term 2	Materials and Manufacture	Graphics	Built Environment
Term 3	CAD - Mirror	Engineering Process	Bottle Opener
Term 4	CAD - Mirror	Engineering Process	Bottle Opener
Term 5	Food - Health & Safety	Food - Nutrition	Food - Meet a client brief
Term 6	Food - Cooking Skills	Food - Menu Design	Food - Advanced preparation skills