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Students will be introduced to Design Technology and the different areas it can encompass.

1. Trinket Box

- Steel Rule
- Try Square
- Tenon Saw
- Hack Saw

Students will look at 'traditional' methods of construction – so they understand how to appropriate tools and processes.



Health and Safety

2. Character Design

Students will look at New and Emerging technologies and how they can benefit the Industry.

Students will understand how to effectively use the workshops.

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Students will establish understanding of plastics and the processes and develop their ability of designing for a user and purpose with TWO focused Design Briefs.

1. Speaker Project

Electronics

2. Table Art

Branding

Soldering

Incorporating 'Crumble' and a LIVE brief from a Local Company.

CAD CAM

Graphical Design



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1. Biomimicry Project

Key Principles

Iterative Design

AO1 Identify, investigate and outline design possibilities

AO2 Design and make prototypes that are fit for purpose: Generating design ideas Developing design ideas Realising design ideas

AO3 Analyse and evaluate

- Tie Dye
- Screen Printing
- Batik



Focusing on Biomimicry – It is the design and production of materials, structures and systems that are modeled on biological entities and processes..



Fabrics research

2. Festival Project

Students will look at different design Movements and Fast Fashion.



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GCSE Choices

1.Timber Theory

2. Plastics Theory

Design Technology GCSE

3. Continued engagement with Practical Skills

During Year 10, Students will develop their independence in their subject and increasing their use of experimentation through their own design briefs.

OCR Engineering Design

The Design Cycle

Isometric, Oblique, Orthographic drawings

CAD

- Careers**
- Product Design
 - Industrial Design
 - Architecture
 - Aerospace
 - Textile Design
 - Furniture Design
 - Fashion Design
 - Engineer

Ergonomics and Anthropometrics

Design Technology GCSE

OCR Engineering Design

Design, Evaluation and Modelling coursework unit

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Communicating Designs coursework unit

Exam Preparation

Students will be focusing on their NEA during the majority of the Year.

Design Technology GCSE

OCR Engineering Design

Exam

How will your Journey continue...?

