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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 understand how to effectively use the workshops.

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



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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

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

CAD CAM



Graphical Design

Soldering

AO1
Identify, investigate and outline design possibilities

A02
Design and make prototypes that are fit for purpose:
Generating design ideas
Developing design ideas
Realising design ideas

A03
Analyse and evaluate

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1. Flat Pack Furniture

Key Principles

Iterative Design



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

2. Lamp Project



Students will look at different design Movements and Electrical Components.

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GCSE Choices

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

2. Plastics Theory

3. Continued engagement with Practical Skills

Design Technology GCSE

Cambridge National in Engineering

The design cycle

isometric, oblique, orthographic drawings

CAD

Mock Exam

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

Ergonomics and Anthropometrics

Design Technology GCSE

Cambridge National in Engineering

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Exam Preparation

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

Design Technology GCSE

Cambridge National in Engineering

Exam

How will your Journey continue...?

