

Design & Technology (Year 9)

Curriculum Map 2024-2025



End of Unit Assessment

Prototyping

To understand the term prototyping and make a prototype

Environmental Issues

To understand how building impact the environment

Revit Skills

To develop skills using CAD using Revit

Designing Skills

Further develop skills to design a building using old shipping containers

Shipping Container

Shipping container project. Developing card modelling

Year 9 Term 3



End of Unit Assessment

Properties of Metals

To learn about key terms for the properties of materials

Design a Bottle Opener

Analyse and design a bottle opener

Engineering Drawings

To understand the term engineering drawings including orthographic. Be able to draw a simple drawing

Production Plan

To understand what a production is and write a plan of how to make a product

Developing Metal Working Skills

Further develop practical skills using more complex tools and equipment

Scale of Production

Be able to explain different scales of production

Year 9 Term 2



Year 9 Term 1

Key Concepts:

- Design
- Make
- Evaluate
- Knowledge



End of Unit Assessment

Using 3D CAD Thermoforming Processes

Knowledge about different thermoforming processes

Phone Stand

Design context - to design and make a flat pack phone stand for IKEA

Polymers & Vacuum Forming

Further knowledge about vacuum forming and polymers to create a base for the mood light

CAD CAM

Further develop skills using CAD CAM to develop a laser cut mood light

Mood Light

Students to analyse and design a mood light for a specific target audience