Design & Technology (Year 7)

Curriculum Map 2025-2026

Year 7 Term 3

End of Unit Assessment

Prototyping
To understand the term prototyping and make a prototype

Designing a Product
Design a product that includes the micro:bit

Understanding User Needs
To be able to understand how a product needs to meet the needs of the user

Understanding Programming
Be able to demonstrate how coding works and programme a micro:bit

What is Micro:bit?
To be able to explain what coding is and how this can be used

End of Unit Assessment

Year 7 Term 2

Designing Strategies
To learn about different strategies to design

Designer Research and Analysis
Research a range of designers and analyse their work

What is Eco-Friendly?
To understand the term eco-design and how this can be used with buildings

Elevation Drawings
To understand what elevation drawings are and how they used

Responding Creatively to a Brief
Understand the design brief and design a creative outcome

Using CAD to Design Floor Plans
Be able to use CAD to design a floor plan

Year 7 Term 1

Key Concepts:

- Design
- Make
- Evaluate
- Knowledge

End of Unit Assessment

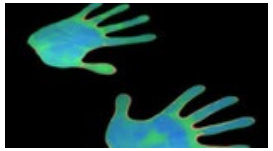
Smart & Modern Materials
Knowledge about metals and make smart and materials

Polymers & Vacuum Forming
Knowledge about polymers and thermoforming processes including vacuum forming

Metals & Dog Tag
Knowledge about metals and make a dog tag with letters

Biomimicry
Knowledge about biomimicry and design and make a keyring inspired by nature

Timbers and Desk Tidy
Knowledge about timbers and make a desk tidy using softwoods

Baseline Assessment

Introduction to Making and Drawing
Students learn how to measure, mark and cut a range of shapes to gain a skills license. Drawing techniques