Design & Technology (Year 10)

Curriculum Map 2025-2026

Year 10 Term 1

R038: Designing Processes
Students will identify linear, iterative, user centred, and inclusive design

R038: Design Strategies
To understand sustainable design, ergonomics and anthropometrics and data collection

R038: Production and Specification
To use ACCESSFM, identify the roles of the designer and client – Produce a design specification

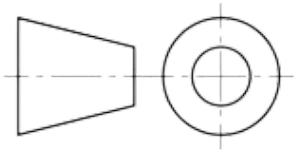
R038: Modelling
Develop skills in modelling using card and paper. Explore the role of virtual modelling

R038: Production Methods and Standards
Explore manufacturing process and costs. Understand British/international standards

R039: Types of Drawing
Develop skills and understanding in freehand, orthographic, oblique, and isometric drawings with understanding of symbols

Year 10 Term 2

R039: Sketching Designs



End of Unit Assessment

R039: Sketching and Drawing CAD
Compare hand sketches to CAD drawings

R039: Drawing Abbreviations
Identify drawing abbreviations, and explain mechanical features

R039: Drawing Activities
To successfully complete assembly drawings, sectional drawings, and layout drawings by hand and CAD

R039: CAD Drawing
Use more detailed CAD commands

R039: NEA
Communicating designs. Working on assessment brief

End of Unit Assessment

Year 10 Term 3

R039: NEA
Communicating designs.

Working on assessment brief

R038: User Testing
To able to explain quantitative testing and user testing

R038: Modelling and Measuring
Modelling methods to be evaluated. Explain measuring devices when completing product evaluation

R038:QFD
Explain ranking matrix, evaluate using the QFD method

R038: Engineering Product Design
Evaluate designs; Compare the design brief, produce a simple model

End of Unit Assessment