



Engineering Learning Journey



Pupils leave school able to demonstrate a variety of practical skills, Engineering drawing and Engineering knowledge to contribute effectively to the Engineering world.



Written Exam

Revision

Final amendments

Revision

Exam Questions and Techniques

Mock Exam: Written

Development of engineering

Production processes

Revision

Design briefs

Environmental impact

Barriers in engineering

Communication in engineering

Sustainability

Design Specifications

Material development

Redesigning of product

CAD

Modelling

Product evaluation

Life cycle analysis

Orthographic drawing

Impact of smart tech

Calculations

Characteristics of materials

Properties of materials

Tolerance checks

Redesigning

Risk assessments

Create physical piece

Understanding technical data

Metal finishes

Consolidation

YEAR 11

Mini mock exam

Unit 1 assessment start

Contingency planning

Review of practical work



Metal turning



Thor's hammer

Orthographic drawing



Isometric drawing

Material properties



Q2 assessment window

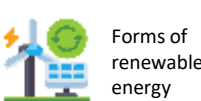
Safe System Of Work



Metal drilling



2D design



Forms of renewable energy



Production planning

Use of CAD



Contingency planning



RIDDOR



Manual Handling



COSHH



Time planning



Cutting lists



Metal turning



Performing risk assessments



Understanding drawings



Orthographic drawings

Health & safety



Introduction to engineering



Q1 assessment window



Health and safety at work act



Introduction to metal work



Forms of fixings



Risk assessments



YEAR 10

Y6 Transition Day

