



Curriculum Journey Engineering

Apprenticeship
Employment
Further education

Students are encouraged to apply for apprenticeships, university or the workplace whilst completing the course with Unit 9, Delivering Engineering Solutions

Learners continue to develop an understanding of the Engineering Principles whilst completing Unit 5

Manufacturing principles

Exam Results and taking part in Work Experience in the industry

Begin Cross over project from year 12-13 Unit 5 Machining techniques.

Year 12 Graphics

Year 12 Engineering

Year 12

Year 13

Take unit 3 exam 1hr 30mins

BTEC Engineering L2 Technical Diploma
City & Guilds L2 Technical Certificate In Engineering
NVQ Diploma in Performing Engineering Operations

Unit 2 WJEC Unit 2: Designing engineering products Assessment Task 10 hours

Manufacturing for unit 1

Year 11

Start WJEC unit 1 task

Final completion and submission of Controlled Assessment

Ca

Ca

Year 10 DBE

Year 10 Engineering

Year 10

Year 11

Use appropriate language to compile report

WJEC Level 1/2 Award in ENGINEERING

Ca

Ca

Consumer feedback

Desk Lamp

Year 10

Year 9

Speaker

Basic electrics

Creative design

2D CAD

Floor plans

Building design

Engineering plans

Metal material properties

Exam Revision on Solving Engineering Problems

Interpreting technical sources of information

Understanding Engineering Terminology

Engineering drawing

Identifying features and functions

Timber finishes

Wood joints

Timber selection

3D CAD

Front elevations

Scale drawing

Quality control

Tolerances

Orthographic drawing

Testing

Simple wood joints

Evaluating against a specification

Spot welding

Ergonomics

Product analysis

Permanent joining methods

Working within constraints

Shaping plastic

Joining methods

Fault finding

Mechanisms

Rendering

Anthropometrics

Cutting sheet metal

Metal fixings

Justified specification

Isometric drawing

Heat forming plastics

Prototyping and modifying

Theme designing

Simple wood joints

Evaluating against a specification

Spot welding

Ergonomics

Product analysis

Permanent joining methods

Working within constraints

Shaping plastic

Joining methods

Fault finding

Mechanisms

Rendering

Anthropometrics

Cutting sheet metal

Metal fixings

Justified specification

Isometric drawing

Heat forming plastics

Prototyping and modifying

Theme designing

Simple wood joints

Evaluating against a specification

Spot welding

Ergonomics

Product analysis

Permanent joining methods

Working within constraints

Shaping plastic

Joining methods

Fault finding

Mechanisms

Rendering

Anthropometrics

Cutting sheet metal

Metal fixings

Justified specification

Isometric drawing

Heat forming plastics

Prototyping and modifying

Theme designing

Simple wood joints

Evaluating against a specification

Spot welding

Ergonomics

Product analysis

Permanent joining methods

Working within constraints

Shaping plastic

Joining methods

Fault finding

Mechanisms

Rendering

Anthropometrics

Cutting sheet metal

Metal fixings

Justified specification

Isometric drawing

Heat forming plastics

Prototyping and modifying

Theme designing

Simple wood joints

Evaluating against a specification

Spot welding

Ergonomics

Product analysis

Permanent joining methods

Working within constraints

Shaping plastic

Joining methods

Fault finding

Trust Values, embraced by all:

RESPECT

EXCELLENCE

COLLABORATION

INDEPENDENCE

PERSEVERANCE

ENJOYMENT

LEADERSHIP

INTEGRITY

CARE



Welcome to Greenacre Academy!