

Design & Technology

(Engineering)

Are you technical, mathematical and innovative? Do you enjoy making things and solving problems? If so, Design & Technology Engineering is the subject for you!

Through practical activities and theory modules you will build a technical knowledge in order to build, create and analyse high level engineering problems.

The awarding grade is Pass, Merit or Distinction.



Qualification:

Technical Award Level 2

Examination Board: WJEC

Specification Code: 9790A1

Topics Covered

This course offers a range of learning experiences ranging from application of knowledge, skills and completion of practical tasks.

You will;

- Look at out how environmental issues effect engineering
- Learn materials and their properties
- Learn how to test materials
- Learn and carry out engineering processes
- Use mathematical techniques to solve engineering problems
- Propose solutions to engineering problems
- Carry out isometric and orthographic drawing

Assessment

- **Unit 1 - Engineering design** - 30 hours
- **Unit 2 - Producing Engineering Products** - 60 hours
- **Unit 3 - Solving engineering problems** - exam (90 minutes)

Course Progression

Achieving a Level 2 in Design & Technology Engineering will allow you to progress to level 3 courses such as Product Design AS/A2. This course is up and running at our Sixth Form.

Future Careers:

BA/MA courses in product, engineering, architecture, furniture, interior design.

Career Opportunities

There are many careers related to Design & Technology . They range from architect, product design, engineering, furniture design to manufacturing and teaching, fashion design.