

# ENGINEERING

**QUALIFICATION:** BTEC LEVEL 3 NATIONAL EXTENDED CERTIFICATE  
(1 A LEVEL)

The Engineering sector continues to suffer from a skills gap and needs to keep up with rapidly developing technologies. This BTEC qualification in Engineering has been designed to give pupils the underpinning knowledge and specific skills needed to meet the needs of modern mechanical engineering industries.

Many of the Units have strong links to the knowledge and evidence requirements of the National Occupational Standards and relevant NVQs at Level 3 and will provide learners with opportunities for progression within and into employment. The qualifications have also been designed so that learners can progress into Higher Education, for example to BTEC Higher Nationals and undergraduate engineering degree qualifications.

## ENTRY REQUIREMENTS:

The equivalent of three 4-9 grades at GCSE AND a 5 in Maths.

## HOW COURSE IS ASSESSED:

Over 2 years, 4 Units are studied and assessed through assignments, controlled tasks and written examinations. Each assignment will take a Vocational scenario and you will evidence your work in the form of presentations, technical drawing portfolio, witness/observational statements and written technical reports.

## WHERE NEXT?

This is an exciting course that opens up opportunities in later life for access to University, Apprenticeships and Employment.

## JOB OPPORTUNITIES:

Construction  
Aerospace  
Electrical  
Environmental  
Product Design/3D Design  
Engineering (Civil/Structural)  
Architecture

## COURSE CONTENT:

This is a 2 year course, which will provide you with the level of knowledge and understanding to enter into the Engineering Industry on completion of the course.

All units are delivered with a view to enhance your skills in application, analysis and evaluation. You will complete 4 Units, which relate to the engineering sector. These include:

- Engineering Principles: Mathematics (written exam marked externally by Pearson)
- Delivery of Engineering Processes Safely as a Team (assignments set and marked internally)
- Engineering Product Design and Manufacture (Research & Case Study Task marked externally by Pearson)
- Computer Aided Design in Engineering (assignments set and marked internally )