

BTEC

# ENGINEERING

## Course Overview

BTEC Level 3 Engineering is equivalent to 1 A Level. It comprises 1 mandatory unit and 2 optional units. The course will be delivered in both science laboratories and the Technology workshop. Learners will have the opportunity to develop both practical and theory elements of engineering as well as using CAD/CAM and 3D Printing within the course.

## Components of Course

### Units include:

- Engineering Principals
- Product design and manufacture
- Engineering Software.

## Planned Trips & Guest Speakers

### Planned Trips

The course will visit local engineering businesses and the Fa Lab 3D Printing facility at Sandwell College.

### Guest Speakers

A member of the Formula 1 Mercedes engineering team will give a talk to students.

## Coursework /Examination

The course will mainly be made up of internally marked coursework units. However, one unit is externally assessed through an examination.

## Exam Board

Subsidiary Diploma

## Entry Requirements

- A minimum of five GCSEs at grade 4 and above with a minimum grade 6 in science and maths.

## Employability

Engineering is a national priority for skills development and a key priority in the West Midlands. This course will prepare students well for University courses in engineering and related subjects and also for higher and degree apprenticeships.

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