

BTEC Nationals in Engineering

BTEC Level 3 (equivalent to A level)

Exam Board: Edexcel

Subject Specific Criteria:

- **Grade 4** or above in Maths. The course does include a module in physics based mathematics; therefore it is advantageous to have a good understanding of numbers.

Units Studied:

- **Unit 1 – Engineering Principles**
(2 Hr Exam) 25% of A Level
- **Paper 2 – Delivery of Engineering Processes Safely as a Team** (Internally assessed coursework) 25% of A Level
- **Engineering Product Design and manufacture** – (8 Hr Exam taken over 2 days) **25% of A level.**
- **Unit 10** – Computer-aided Design in Engineering (Internally assessed coursework) 25% of A level.

Course Information:

BTEC National qualifications have long been accepted by industry as appropriate qualifications for both those about to enter an apprenticeship in industry and those wishing to access higher education through university.

Engineering underpins many areas of employment – from transport to medicine; from the car industry to space exploration. Therefore, this course provides future opportunities in a variety of fields. Demand for engineers is high and our students will gain an excellent grounding in the fundamental areas of the subject. Successful completion of the course could lead to university or a wide range of employment opportunities.

Skills Required:

- Ability to meet deadlines for coursework submission.
- Carry out rigorous investigations into products, materials and manufacturing processes.
- Have an interest in mechanical engineering, electrical engineering and design technology.

Futures:

Alongside A levels, BTEC Nationals are the most widely-recognised qualification for admission to higher education. In 2015, 95% of UK universities and colleges accepted students with BTEC qualifications, including competitive universities from the Russell Group. (Which? University 2015)

With BTEC, you'll develop a portfolio of work that will help you to impress and showcase your skills at interviews. You'll also gain confidence in studying independently, as well as build essential life skills that will help you to succeed at university - and beyond.

Subject Enrichment:

Opportunities to participate in after school STEM activities.

