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*Constructive*

# ENGINEERING

**BTEC LEVEL 3**

**NATIONAL EXTENDED CERTIFICATE**

PEARSON EXAMINATION BOARD

## Entry Requirements:

There are no formal entry requirements to take this qualification. However, it would be beneficial to have grade 4 or above in Mathematics, Science or a relevant design based subject.

Is this for me?

Do you ever wonder how things are made, or how they work? Engineering design marries technical theory, Mathematics and Science in a creative environment to inspire innovation through problem solving.

Upon successful completion of this well respected industry inspired course, learners can either progress directly to an apprenticeship or employment as an Engineering technician or can choose to progress to higher education to study for an Engineering degree.

## What will I do?

The Pearson BTEC Level 3 National Extended Certificate in Engineering is a technical qualification that is equivalent to one A level and is taught over two years.

The course will allow you to explore various disciplines within Engineering, through the completion of industry inspired projects and assignments based on realistic situations, aimed to prepare you for employment or higher education.

You will use industry standard CAD (computer aided design) software to develop, test and manufacture Engineering products. The theory of Engineering will be explored through practical tasks, written reports and experimentations carried under the supervision of a specialist tutor.

You will develop knowledge and skills of mechanics, materials, manufacturing technologies, engineering principles and prototype in a fully equipped workshop. The course consists of four units, catered to develop the skills and knowledge needed to progress in an Engineering career.

### Units:

- Engineering Principles (External)
- Delivery of Engineering Processes Safely as a Team
- Engineering Product Design and Manufacture (External)
- Computer Aided Design in Engineering



For more information please contact:

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