



Pearson

Purpose Statement

Name of regulated qualification	
QAN: 603/0829/1	Title: Pearson BTEC Level 1/Level 2 Tech Award in Engineering (120 GLH)

The engineering sector

The UK is regarded as a world leader in engineering, which covers a wide range of exciting and rapidly developing areas such as renewable energy, space, low carbon, aerospace, creative industries, automotive, agri-food and bioscience. People with engineering skills are always in demand. Between 2010 and 2020, engineering companies are projected to have 2.74 million job openings.

What does the qualification cover?

This qualification is the same size and level as a GCSE and is aimed at everyone who would like to find out more about engineering by undertaking their own projects. On this course, you will:

- learn about the key engineering sectors – mechanics, electrical/electronic and engineering design and how they contribute to industry
- develop key engineering practical and technical skills, such as research, observation, measurement, planning, making, using CAD and disassembly
- develop key skills for employment in engineering sectors, such as problem solving, design, creativity, communication and collaboration.

How will I be assessed?

You will carry out mini-tasks as part of a larger project or projects throughout the course. Your teacher will mark these, which will give you an idea of how you are getting on. Towards the end of the course, you will carry out a larger task to meet an engineering brief. All of the work that you do throughout the course and the mini-projects will prepare you for the final project, which is sent away to be marked.

Where will this take me?

When you have completed the qualification, you will have developed a practical understanding of engineering skills. Because you will be acquiring knowledge and building useful skills which are

not generally covered in GCSE courses, you will have a better idea of whether the engineering sector is for you and which part of it you might want to study further.

After you have finished the course, you may want to go on to further study such as A Levels, BTECs or a mixture of both. You will find that many of the ideas covered here are further developed in qualifications such as BTEC Nationals in Engineering and Information Technology.

Alternatively, you might want to find work in the engineering sector as an apprentice or a trainee. The best option for you will depend on both the grades you achieve in this qualification and in any other qualifications you have taken, what you enjoy doing and the advice you can access about further learning and training opportunities available in your area.

What other subjects go well with engineering?

This course builds on and uses the knowledge and skills you learn in your Maths and Science GCSEs. It complements the learning in other GCSE programmes, such as GCSE Design and Technology and Computer Science, by broadening the application of 'design and make' tasks, working with an engineering brief, testing and evaluation.

Where can I find out more?

Further information about this qualification can also be accessed at:

<http://qualifications.pearson.com/en/qualifications/btec-tech-awards/engineering.html>