

# ENGINEERING L1/2

## WJEC Level 1/2 Vocational Award in Engineering

<b>When Delivered:</b>	One afternoon per week over two years
<b>Qualification title:</b>	WJEC Level 1/2 Vocational Award in Engineering
<b>Awarding Body:</b>	WJEC

### Who is the qualification for?

This qualification is for learners aged 14-16 who wish to develop knowledge and understanding and gain experience of a practical application of skills in Engineering. It provides learners with a broad introduction to the engineering sector and the types of career opportunities available. Career pathways of interest could include: Physics, Design & Technology, Diplomas in Engineering, Apprenticeships in Engineering.

### What will the qualification cover?

The qualification has been devised around the concept of a 'plan, do, review' approach to learning where learners are introduced to a context for learning, review previous learning to plan activities, carry out activities and review outcomes and learning. This approach mirrors engineering production and design processes and also provides for learning in a range of contexts thus enabling learners to apply and extend their learning. As such, the qualification provides learners with a broad appreciation of work in engineering related industries and wider opportunities for progression into further education, employment or training.

### Course Content

The qualification structure and content of the WJEC Vocational Award in Engineering is made up of three mandatory units. Following these units, learners will use skills to develop, analyse and use their knowledge as follows:

- develop skills to, plan and produce an engineered product, developing skills to work safely within a range of engineering processes, equipment and tools. (Unit 1)
- learn how to analyse a product and how to propose design solutions. (Unit 2)
- use knowledge and understanding of engineering processes and materials to solve problems. (Unit 3)
- Learn how past engineers have found solutions that are used to solve problems today. (Unit 3)
- Learn about materials, processes and maths that engineers use today. (Unit 3)
- Learn how to develop engineering drawing skills to communicate solutions. (Unit 3)

### Assessment

The WJEC Vocational Award in Engineering qualification is assessed through a combination of one written examination, set and marked by WJEC and two centre-marked assignments, moderated by WJEC.

### Costs

Students are expected to provide their own PPE. This can be purchased from a number of different stores such as screwfix and toolstation or online. The PPE should consist of boots, trousers and a Coleg Cambria or plain grey polo shirt or a full boiler suit. You can order Coleg Cambria branded Polo shirts from this link: [GE Tools Engineering](#)