



WJEC Level 1 / 2 Award in Engineering

Curriculum Leader: Mrs Colebrook

Examination Board: WJEC

Overview of course content

WJEC Level 1/2 Vocational Award in Engineering offers a learning experience that focuses learning for 14-16 year olds through applied learning, i.e. acquiring and applying knowledge, skills and understanding through purposeful tasks set in sector or subject contexts that have many of the characteristics of real work.

The qualifications have 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.

Summary of assessment

This qualification includes mandatory units that form the fundamental knowledge and understanding of engineering principles. The Certificate includes a choice from optional specialist units, thereby providing an opportunity to develop a broader understanding of the Engineering sector. In addition, it introduces a limited number of specialist areas and the opportunity to acquire some of the practical skills identified by employers as the fundamental building blocks for future competence in the workplace

This qualification includes three mandatory units that form the fundamental knowledge and understanding of engineering principles. WJEC Level 1/2 Vocational Award in Engineering units are assessed through controlled internal assessment or external assessment.

For qualifications awarded from 2020 onwards learners must pass each unit in order to achieve the qualification.

Details of the **external assessment** are as follows:

- 90 minute examination;
- Total of 60 marks;
- Short and extended answer questions, based on stimulus material and applied contexts; • At least **5** marks will be awarded for demonstration of mathematical skills. This could include interpretation, calculation or use of mathematical terminology;
- At least **10** marks will be awarded for demonstrating drawing skills;
- Graded Level 1 Pass, Level 2 Pass, Level 2 Merit and Level 2 Distinction.

Details of the **internal assessment** are as follows:

- Each unit is assessed through one assignment;
- Units are assessed through summative controlled assessment;
- Controls for assessment of each internally assessed unit are provided in a model assignment; • Each internally assessed unit must be assessed independently. Learners may produce a piece of evidence that contributes to assessment criteria for more than one unit. This is acceptable provided it can be clearly attributed to a specified assessment criterion and has been produced under the appropriate controlled conditions for each unit;
- Performance bands are provided for Level 1 Pass, Level 2 Pass, Level 2 Merit and Level 2 Distinction. Evidence must clearly show how the learner has met the standard for the higher grades.

Learning Pathways post 16

The successful completion of this qualification could provide the learner with opportunities to access a range of Level 3 qualifications including GCE, apprenticeships and vocationally related qualifications. These include:

- GCE in Engineering;
- GCE in Design & Technology;
- Principal Learning Level 3 in Engineering;
- Apprenticeships in Engineering.