

Subject:-

Engineering

Key Stage 4

Teachers in this department: - Mr Larigo & Mr Childs

Exam Board: WJEC Level 2



Reasons to Study

The Level 1 / 2 Award in Engineering provides a more practical alternative to GCSE. The qualification is based around the world of engineering and aims to introduce students to the various strands available within the field. The qualification offers students the chance to develop knowledge, skills and understanding through tasks set in realistic work-related contexts.

Advantages to learners

- **Develop a range of skills both practical and academic, through applied learning that will be useful in the workplace and for future learning**
- **Provide a foundation of knowledge of engineering that will help learners progress to further study or enter the workplace**
- **Motivating learners through purposeful tasks set in real world contexts**

Learning to believe, Learning to succeed

Structure of units

The qualification consists of three mandatory units. Internally assessed work must be completed within a centre and adopt the principles of controlled assessment.

- 1 Engineering Design, 30 GLH, Internal assessment and external moderation
- 2 Producing Engineering Products, 60 GLH, Internal assessment and external moderation
- 3 Solving Engineering Problems, 60 GLH External assessment

Plan, do, review

Engineering Level 1 / 2 Award has been designed around the concept of a 'plan, do, review' approach to learning. This mirrors many work-related activities in engineering industries and allows learning to take place in a range of contexts. This approach enables learners to apply and extend their learning.

Students will complete a variety of practical, hands on tasks including a project based around the famous Angle Poise Lamp designed in 1932, which is an engineering and design icon. They will use a wide range of materials, tools and processes to make products that could be suitable for commercial sale or use, while providing an insight into the vast world of engineering.

Learning to believe, Learning to succeed