

Course Information - Diploma



Course Title and Level

Level 2 Diploma in Engineering
Available at one "hub" – Great Sankey HS – Course Code - DipE

Course Content:

This course introduces learners to the world of engineering, one of the most dynamic, technologically advanced and exciting industries in the world. It will help young people to explore employment opportunities and provide learners with engineering knowledge and skills that are required for a career or further study in Engineering.

Learners will learn about different sectors of engineering such as mechanical, marine, automotive and electrical. They will gain hands on experience of applying their knowledge and skills to real engineering situations by working with local and national employers. They will learn about:

- Engineering in the modern world
- Technology and how it affects our lives, now and in the future
- New ideas, new materials and how they work together

The course also covers important life skills which will help young people to think for themselves, solve problems and to work independently or as part of a team.

Throughout the course, learners will have the opportunity to:

- Explore different careers in engineering
- Design an engineered product
- Learn how engineered products work
- Use ICT and CAD/CAM to carry out engineering activities
- Produce an engineered product or carry out an engineering service
- Design and build electrical and electronic circuits
- Work in a team to develop a manufacturing process
- Learn how to maintain engineered products

In addition learners will study a GCSE subject chosen from a range of subjects – Art, Business Studies, Drama, Geography, ICT, Music Technology, Psychology, Sports Studies.

Learning Location:

The course will be taught at Great Sankey High School. It will mainly be delivered by teachers but will sometimes involve external trainers and visitors from engineering companies. There will be opportunities for work related learning visits to engineering companies such as Jaguar/Land Rover, Halewood and Scottish and Southern Power (Fiddlers Ferry Power Station). Learners will also complete 10 days engineering related work experience as part of the course.

Uniform and Equipment:

Uniform: Learners will be required to purchase a relevant uniform: navy blue polo shirt and sweater. The approximate cost of the uniform will be £10. Details of how to order the uniform will be provided upon acceptance onto the course.

Equipment: Learners will need standard classroom equipment (pens, pencils, ruler, calculator etc.) and Safety Boots (must have metal toe caps). Safety Boots can be ordered by Great Sankey High School. The approximate cost of the boots is £20.

Progression Opportunities:

A Diploma in Engineering will give the skills you need for further educational opportunities or work and is a first step towards a career in this sector. Careers in this sector include: Mechanical Engineer, Civil Engineer, Electrical Engineer, Aerospace Engineer, and Designer.

It could also lead to studying an engineering related degree at University.