

APPLIED SCIENCE SKILLS (National 5 Skills for work units)

Preferred entry Level

Minimum National 4 in any Science subject.

What are the aims of this course?

This course is intended to equip learners with the necessary knowledge and skills which will enhance their prospects for employment in the wide range of opportunities within energy or laboratory science sectors.

Learners will become familiar with some of the key words and terms used in the sectors and will develop an awareness of the impact of science on the environment and individual lives. Personal development of employability skills will be the main focus across the course with each unit aiming to enhance such skills. The development of teamwork and practical skills and carrying out test procedures are also given high profile.

What will I be learning about in this course?

Learners will have the opportunity to work towards a selection of the following units -
An Introduction to Energy, Renewable Energy, Employability and Careers, Carbon Footprint, Energy Sources, Safe Working in a Lab, Practical Lab Skills, Practical Investigations.

What skills will I develop?

- Communication skills.
- Using IT to exchange information.
- Team working skills.
- Ability to learn.
- Ability to follow instructions.
- Organising own learning and development.

What learning and teaching approaches will I experience?

Learners will have the opportunity to experience a range of activities including: planning and carrying out practical tasks and experiments, carrying out case study work and learning in real or simulated workplace settings. This will involve a mixture of individual tasks, group work and whole class discussion. Learners will need to be well motivated to complete the internally assessed coursework.

How will I be assessed?

Each of the units has a variety of outcomes to be completed. These vary from carrying out practical investigations and completing online research to taking part in employability reviews.

What are the homework requirements?

Homework may involve completion of research or presentations, reviewing classwork or learning practical techniques and practicing problem solving skills.

What might this course lead to in the future?

- National 5 Biology, Chemistry or Physics.
- NC, NPA courses at Perth College (for example Applied Science)
- Employment in scientific industry