



NORTH EAST
SCOTLAND
COLLEGE



GIRLS in **ENERGY**
Skills for Work
ENERGY
at National 5

Your school has joined with North East Scotland College and Shell UK to offer you the opportunity to undertake a vocational qualification as part of your school studies. This information leaflet is designed to answer your questions and explain a bit about the course you will be taking.

WHAT IS IT?

This year long industry sponsored Energy course is open to girls, aged from 14 to 17 years, who want to find out about this dynamic and exciting sector.

Successful completion will result in you gaining a recognised SQA National Qualification plus you will be developing important skills which will support you in progressing into further training and qualifications on leaving school, or seeking suitable employment within the energy sector.

WHAT WILL I LEARN?

During this course you will:

- **Develop technical knowledge, skills and understanding related to Engineering**
- **Develop an awareness of health and safety issues relevant to a range of activities**
- **Develop and learn to apply practical, technical and communication skills**
- **Develop aspects of the Core Skill of Working with Others**
- **Develop good practice in maintaining a tidy and safe work environment**
- **Gain an understanding and appreciation of the varied roles on offer within the sector**
- **Be prepared for further learning opportunities, study and training in the field of Engineering.**

Throughout the course you will be encouraged to build your communication and teamwork skills - this is a valuable skill that employers are looking for in the workplace. In fact many students tell us that their confidence grows as the course progresses.

HOW WILL I BE TAUGHT?

This course is a mix of classroom study, industry visits and workshops with students from participating schools. It offers you the opportunity to talk directly with women who are working in different roles across various companies within the oil and gas and renewables sectors. Plus there is the opportunity for up to 10 students to take part in industry experience for approximately two weeks during the summer with Shell UK. So you will be able to see for yourself what a career in energy has to offer.

Throughout the course you will be offered an opportunity to review and identify how your skills are developing.



You will be expected to demonstrate:

- Good time keeping skills
- A safe approach to working in a workshop environment
- A willingness and commitment to learning and an interest in engineering
- A knowledge of appropriate dress, in particular Personal Protective Equipment (PPE)
- An ability to work independently
- Planning and preparation skills
- An ability to establish and maintain good working relationships with others
- Problem solving skills.

WHAT WILL I STUDY?

The course is made up of the following units:

- Energy: An Introduction
- Domestic Wind Turbines Systems
- Domestic Solar Hot Water Systems
- Employability and Careers
- Oil/Gas Extraction



WHAT DO I NEED?

Whilst you are taking part in the course you will be required to:

- Wear the appropriate clothing, including safety boots, boiler suit and safety glasses (PPE)
- Be ready to start your class at the given time
- Adhere to the School Pupils Code of Commitment.

For all engineering based courses it is necessary to wear Personal Protective Equipment (PPE). You are not allowed into the workshops without PPE and will be returned to school and marked absent if you arrive without it.

HOW WILL I BE ASSESSED?

To achieve the course award you must attend regularly and successfully complete all units in the award.

Assessment will be based on a range of practical activities. Assessors will watch you undertake tasks and you will be expected to demonstrate an awareness of health and safety throughout.

These courses will show on your final SQA Certificate as a National 5 award.



WHAT CAN I DO AFTER THIS COURSE?

Once you have completed the course there are many options available to you dependent upon the qualifications you have. You may choose to further your studies at school and/or decide to move onto college and/or university.

At school:

- Skills for Work Laboratory Science - National 5
- Skills for Work Engineering - National 5
- National Certificate (NC) Mechanical Engineering - SCQF Level 6
- Foundation Apprenticeship in Engineering - SCQFe Level 6

At college:

- Shell Engineering Scheme - Higher National qualifications
- SVQ Performing Engineering Operations (PEO)
- National Certificate in Engineering disciplines
- HNC/D in Engineering disciplines
- SVQ's and Modern Apprenticeships in Engineering

At university:

Our HN level courses allow you to articulate into degree level programmes in the second and third year.

WHO DO I SPEAK TO ABOUT THIS COURSE?

If you are interested in this course and want to find out more about it you should speak to your Guidance Teacher at school.

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It is expected that pupils enrolling on this course will remain enrolled with their school for the duration of the course. Therefore this course is not suitable for those school pupils planning on leaving school at Christmas.

Heather Sim, Sponsored Initiatives Co-ordinator
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