

Lesson insert

Overview

An activity using myworldofwork.co.uk to link the study of Chemistry and the topic of crude oil to possible careers.

Objectives

As part of a wider lesson, this lesson insert intends to:

- Encourage research into careers which require knowledge of the Earth's resources (including crude oil)
- Highlight the importance of the Earth's resources in our everyday lives and encourage pupils to develop as responsible citizens

My World of Work activity (20mins)

- Arrange pupils in groups of two or three
- Go to myworldofwork.co.uk
- Go to [my career options](#)
- Ask the groups to choose a job card from the pack
- Ask them to complete the job research sheet
- Each group should present back to the class one key point about the job(s) they have researched

Connect the learning (in the wider lesson)

- Optional: Have a class discussion on whether we should rely on crude oil as much as we do.
- Find out which other energy sources the pupils are aware of (solar, wind etc.)

Review and reflect (5mins)

- Ask pupils to reflect on the jobs covered and if they may be interested in following one of these careers
- Homework: Ask the class to use this lesson as part of their overall research on careers related to their school subject

Science

Chemistry

Crude oil

Resources

- Computers or tablets with internet access
- Job research sheet

My World of Work links

Job profiles

[Chemical engineer](#)
[Chemical engineering technician](#)
[Chemical plant process operator](#)
[Drilling engineer](#)
[Energy engineer](#)
[Geoscientist](#)
[Offshore service technician](#)
[Offshore drilling worker](#)
[Offshore roustabout](#)
[ROV pilot technician](#)

Modern Apprenticeships

[Process manufacturing](#)
[Upstream oil and gas production](#)

Curriculum links

Suitable for S3 or S4 pupils studying:

Chemistry – National 4

Unit: Nature's chemistry
Topic: Fuels and hydrocarbons

Experiences and outcomes

SCN4-17a: I have explored how different materials can be derived from crude oil and their uses. I can explain the importance of carbon compounds in our lives.

Career Education Standard (3-18)

Supports entitlements set out in the [Career Education Standard](#) for young people to:

- Experience a curriculum through which they learn about the world of work and job possibilities and which makes clear the **strengths** and **skills** needed to take advantage of these opportunities
- Know where to find information and access support making effective use of online sources such as [My World of Work](#)
- Develop [Career Management Skills](#) as an integral part of their curriculum

Job cards

Chemical engineer	Chemical engineering technician
Drilling engineer	Energy engineer
Offshore roustabout	Offshore drilling worker
Chemical plant process operator	Offshore service technician
ROV pilot technician	Geoscientist



**My
World of
Work**

Job research

**Careers linked to:
Science**

Choose a job card

Log into the computer and go to myworldofwork.co.uk

Go to [my career options](#) to find out about the job on your card and answer the following:

What is the job title?	
What are the main duties of this job?	
What are the skills required?	
What qualifications do you need?	
What have you learned in your school subject that might be useful in this job?	
What key point about this job do you want to share with the rest of the class?	
