Lesson insert

Overview

An activity using myworldofwork.co.uk to link the study of Engineering Science to possible careers.

Objectives

As part of a wider lesson, this lesson insert intends to:
- Encourage research into careers related to the study of Engineering Science
- Highlight careers in Engineering Science that focus on exploring engineering problems and finding solutions

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

Connect the learning (in the wider lesson)

- Discuss what each job entails and how it links to the activities they are doing in class
- Discuss which skills they are developing in class relate most closely to particular roles they have looked at

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

Resources

- Computers or tablets with internet access
- Job research sheet

My World of Work links

Job profiles
Aerospace engineer
Agricultural engineer
Automotive engineer
Broadcast engineer
Biotechnologist
Chemical engineer
Clinical engineer
Civil engineer
Design engineer
Drilling engineer
Electrical engineer
Electronics engineer
Energy engineer
Geneticist
Manufacturing systems engineer
Marine engineer
Materials engineer
Measurement and control engineer
Mechanical engineer
Medical physicist
Structural engineer
Network manager
Physicist
Software developer
Studio sound engineer
Telecoms engineer
Watch or clock repairer

Curriculum links
Suitable for all year groups studying:

Engineering Science – National 4

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

Aerospace engineer	Agricultural engineer
Automotive engineer	Broadcast engineer
Biotechnologist	Chemical engineer
Clinical engineer	Civil engineer
Design engineer	Drilling engineer
Electrical engineer	Electronics engineer
Energy engineer	Geneticist
Manufacturing systems engineer	Marine engineer
Materials engineer	Measurement and control engineer
Mechanical engineer	Medical physicist
Structural engineer	Network manager
Physicist	Software developer
Studio sound engineer	Telecoms engineer
Watch or clock repairer	

Job research

**Careers linked to:
Engineering 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?	