

Lesson insert

Overview

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

Objectives

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

- Encourage pupils to research careers related to the study of Mathematics
- Make a link between the skills learned in the study of Mathematics and the skills needed for jobs in this area

My World of Work activity (20mins)

- Arrange pupils into groups of two or three
- Go to myworldofwork.co.uk
- Go to [my career options](#)
- Click on [choosing my subjects](#)
- Ask pupils to find jobs related to Mathematics using the subject choice tool
- Point out the large number of options available
- Ask pupils to choose one of the careers and complete the job research sheet (or allocate job profiles from the list shown opposite)
- 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)

- Ask the following during the lesson:
 - What skills are required to do these jobs?
 - Where have you used these skills in Mathematics lessons?
- Optional: Ask pupils to create a presentation with the following headings (to be presented back at a future session):
 - Job title
 - Job role summary and key duties
 - Key skills and how we develop them in Mathematics
 - Entry requirements and subjects to study
 - Expected pay and working conditions
 - Similar roles

Review and reflect (5mins)

- Discuss the diversity of jobs available in this sector
- Challenge the class to name a career where they think Mathematics is not used and discuss

Mathematics

Importance of Mathematics

National 4/5

Resources

- Computers or tablets with internet access
- Job research sheet

My World of Work links

Job profiles

[Actuary](#)
[Air traffic controller](#)
[Automotive engineer](#)
[Dispensing optician](#)
[Electrical engineer](#)
[Forensic scientist](#)
[Insurance claims handler](#)
[Naval architect](#)
[Rail engineering technician](#)
[Web developer](#)

Curriculum links

Suitable for all year groups studying:

Mathematics - National 4/5

Experiences and outcomes

MTH 4-12a: I have discussed the importance of Mathematics in the real world, investigated the mathematical skills required for different career paths and delivered, with others, a presentation on how maths can be applied in the workplace.

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



**My
World of
Work**

Job research

Careers linked to: Mathematics

Log in to the computer and go to myworldofwork.co.uk. Go to [my career options](#) to find out about the job you have been assigned and answer the following:

What is the job title?	
What are the main duties of this job?	
What are the top related skills?	
What are the qualifications needed?	
What are the typical hours of work?	
Where would you be working?	
What is the typical salary?	
What have you learned in your school subject that might be useful in this job?	
Can you see yourself doing this job? Give a reason why.	
What key piece of information about this job do you want to share with the rest of the class?	
