

Lesson insert

Overview

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

Objectives

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

- Encourage pupils to research careers related to Mathematics
- Identify careers where the skill of using coordinates is used

My World of Work activity (20mins)

- Discuss with pupils the different types of careers that use mathematics and hand out the job research sheet
- Ask pupils to complete the first part of the worksheet and tick which careers they think would use coordinates
- Arrange pupils in groups of two or three
- Ask pupils to go to myworldofwork.co.uk
- Then go to [my career options](#) and click on the tab 'I have a career in mind'
- Ask them to research the jobs they have ticked and to consider whether or not coordinates are used
- Ask them to complete the remainder of the job research sheet to list the jobs that use coordinates and provide evidence from their research

Connect the learning (in the wider lesson)

- Discuss the jobs researched and the evidence of where coordinates might be used
- Optional: Look at some of the job profiles as a class and pick out the skills that are related to the study of mathematics and coordinates, for example:
 - Army soldier – communication, following instructions
 - Coastguard – communication, making decisions
 - Computer games developer – communication, programming, problem solving, being logical, attention to detail

Review and reflect (5mins)

- Ask pupils to reflect on the jobs covered and if they may be interested in following one of these careers
- If any pupils are interested, encourage them to carry out a more in-depth investigation of this career

Numeracy and Mathematics

Shape position and movement

Coordinates

Resources

- Computers or tablets with internet access
- Job research sheet

My World of Work links

Job profiles

[Army soldier](#)
[Coastguard](#)
[Computer games developer](#)
[Helicopter pilot](#)
[Marine biologist](#)
[RAF Officer](#)

Curriculum links

Suitable for S1 to S3 pupils studying:

Numeracy and Mathematics – BGE

Experiences and outcomes

MTH 3-18a: I can use my knowledge of the coordinate system to plot and describe the location of a point on a grid.

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 research

Careers linked to: Numeracy and Mathematics

Below is a selection of careers linked to the study of Mathematics. In the table below, tick which roles you think would use coordinates:

Oceanographer	Helicopter pilot	Marine biologist	Market research data analyst
Computer games developer	Army soldier	Private investigator	Prison officer
Trading standards officer	Automotive engineer	Coastguard	Firefighter
Secondary school teacher	Network manager	Economist	RAF Officer
IT trainer	CCTV operator	Financial advisor	Croupier

Log in to the computer and go to myworldofwork.co.uk then go to [my career options](#) to find out about the jobs you have ticked above. Complete the following:

Careers that use coordinates	I know this because.....