

Starter

Match the jobs (1) Watch **MY DREAM JOB** (from 00:00 to 02:44 only)
at http://www.mathscareers.org.uk/careers_advisers.cfm



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Match the jobs (1)

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Explorer

Optician

Lawyer

Barrister

Dentist

Teacher

Cut out the cards and
match the jobs with
the statements.

Pharmacist

MI6 officer

Changing **currencies** and **scheduling journeys** are relevant mathematical skills for this job.

This is a responsible and rewarding job with the possibility of **being paid while you are training**.

There is fierce competition for this job. Studying maths shows you have the **analytical abilities** needed.

This job involves **weighing up arguments** so you need analytical and problem solving skills.

This job involves **working with people**, an interest in fashion, business awareness and an **aptitude for maths**.

An approved degree involving **science and maths** is needed for this job.

Degrees in this subject require 'A' level **chemistry** and two out of **maths, physics or biology** 'A' levels.

Mathematics is essential for code breaking.



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Match the jobs (2) Watch **MY DREAM JOB** (from 02:45 to 05:25 only)
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Doctor

**Fashion
and design
entrepreneur**

**Chemical
engineer**

People working at this job use both **symmetry** and **algebra** to understand diseases better.

Mathematics is important in helping young children understand the world around them.

Accountant

Teacher

Bio-chemist

Keeping this high street business going successfully is about **managing the finances** successfully.

Statistical modelling helps us know how bodies work and which drugs or treatments really make a difference.

Good **mathematical** ability, **communication** skills, **leadership** and **self-motivation** are all important.

You need to care about people and be resourceful and have **a love of maths and science**.

Cut out the cards and match the jobs with the statements.

Beautician

Doctor

For this job you need to be able to **create equations** that model what you are studying.

Running your own business is hard work – **numeracy skills** help you stay in control.



Match the jobs (3)

Watch **MY DREAM JOB** (from 05:26 to the end only)
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Match the jobs (3)

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Marine biologist

Doctor

Actor

Ideas of **fairness** can be involved in this job. We can use statistics to measure if a society is fair.

Being able to **explain statistics** in clear and simple ways is a key skill for this job.

News reporter

Photographer

Barrister

Understanding the maths behind the **use of camera lenses** contributes a lot to making stunning pictures.

Self employed people benefit from having the **numeracy skills** to be able to work out their tax returns.

Maths is involved in the communications technology vital to people doing this job in poorer countries.

This job combines love of **science and maths** with travel.

Car designer

Doctor

Software engineer

This job requires both **mathematics and communication skills** so you can respond to people's requirements.

This job involves the project management skills of **sequencing and logic** and the ability to work in a team.

CT scanners use **trigonometry** to work out a 3-D image on what's going on inside someone's body.

Cut out the cards and match the jobs with the statements.

Match the jobs

These three lesson starters are designed to link thinking about careers to activities suitable for the mathematics classroom.

Starters

Match the jobs (1), (2) and (3)

Planning for teaching

Match the jobs involves watching a short video of young people talking about their dream jobs. The video is split into three sections to help keep pupils focused. The cards can be cut out and laminated for repeated use. Depending on the time available, a whole class discussion following the matching exercise can be used to help pupils appreciate how varied and, in some cases, unexpected is the use of mathematics at work.

Want to know more?

Contact STEM Subject Choice and Careers
info@careersinstem.co.uk

The Centre for Science Education
Sheffield Hallam University
City Campus, Howard Street
Sheffield S1 1WB

Tel: 0114 225 4870

or for more information on careers go to Maths careers at www.mathscareers.org.uk/
or Future Morph at www.futuremorph.org/

A Department for Education initiative to promote subject choice and careers in Science, Technology, Engineering and Maths (STEM) delivered by the Centre for Science Education at Sheffield Hallam University and Babcock.

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