



## Showcasing careers in STEM

Series: Careers in STEM lesson plans

Time needed: 60 minutes

Get students thinking creatively about the range of careers available in STEM sectors.

### Aims

- Help students understand how relevant the learning is in the classroom to a range of careers in the world of work.
- Inspire students to see STEM subjects as a key to employment success

### Key learning outcomes

By the end of the activity students will:

- Have explored a range of STEM careers in depth
- Understand how to access a range of careers information

### Resources

- Internet access for every student or group
- Pens and paper for drafting ideas
- Presentation resource; students may use video, IT or paper based presentations

### Use me during:

- Science, Technology, Engineering (DT) or Maths lessons

## Task

### 1. Introduce Plotr

- Introduce Plotr as a place to find out about careers and jobs, and to hear from companies about what it is like to work there.
- Ask students if they've used the site when researching jobs/opportunities? What tools have they used, if any?
- Explain that [plotr.co.uk](http://plotr.co.uk) allows you to play the **Game** to find out what jobs you're suited to, and that it allows you to look at specific **Career Industries** and **Career Worlds** etc.



Refer to the Quick Start Guide for more detailed information.

### 2. Set the task

- Students are going to research Plotr to find out what careers are linked to the subject (Science, Technology, Engineering (DT) or Maths). In groups they must select 2 of their favourite sounding careers and create a presentation piece to introduce these careers to other students.
- For each career the student must identify and present the following:
  - o A description of the career
  - o What qualifications and skills do you need to access the career
  - o What pathways (university, apprenticeship or other) is the best route for this career
  - o What is the promotion and earning potential for this career
  - o What is taught in the subject (Science, Technology, Engineering (DT) or Maths) that is useful to know for this career or a skill you need to have for this career
- Students can produce their Careers Showcase in a video, PowerPoint, poster or other form of presentation
- Students need to present back to the class their Careers Showcase



### Plenary

What have the students learnt today? Did they know there was so many careers related to this subject? Do any of them think they would like one of the careers they have learnt about?

### Follow on activities

- See [www.plotr.co.uk](http://www.plotr.co.uk) for more lesson plans and careers inspiration
- Play the Plotr psychometric game with your students
- Share the activity with subject leaders in the school (particularly science and D&T)
- Invite a professional in from one of the careers identified and ask the students to interview them
- Plan a field trip to a local engineering or construction firm