

STEM



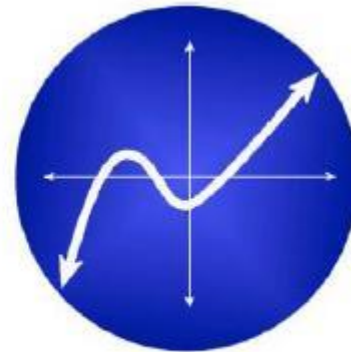
Science



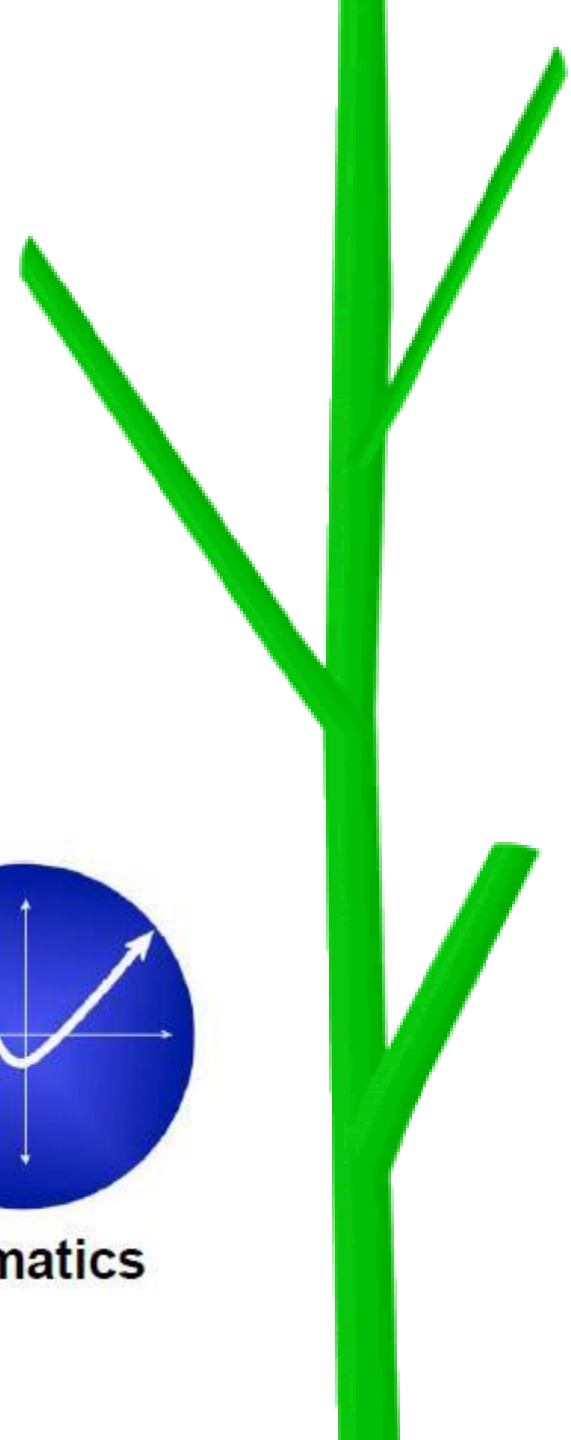
Technology



Engineering



Mathematics



Quick Quiz!

Quiz created by National Stem careers coordinator Kate Bellingham

Quiz Question 1

How much more do you earn if you have maths 'A' level even if your employer doesn't know?

a) 2.5 %

b) 5.5%

c) 10%

Quiz Question 1

How much more do you earn if you have maths 'A' level even if your employer doesn't know?

c) 10%

Both graduates and non-graduates who took maths A-level ended up earning on average 10 per cent more than those of similar ability and background who did not.

Quiz Question 2

Where does Britain come in the list of largest manufacturing countries?

- a) 6th
- b) 16th
- c) 26th

Quiz Question 2

Where does Britain come in the list of largest manufacturing countries?

a) 6th

UK is the world's 6th largest manufacturing base, The industry employs 3 million people, creates 50% of UK exports and accounts for 75% of all business funded research and development.

Quiz Question 3

What percentage of employers expect problems getting the right STEM recruits?

a) 15%

b) 43%

c) 59%

Quiz Question 3

What percentage of employers expect problems getting the right STEM recruits?

C) 59%

Despite the recession, 45% employers say they are already having difficulty recruiting staff with skills in STEM. Even more companies (59%) expect to have difficulty finding STEM-skilled people in the next 3 years.

Quiz Question 4

8.7% of the UK Engineering Profession are women. Where do we come in the list of 28 European countries surveyed?

a) 14th

b) 20th

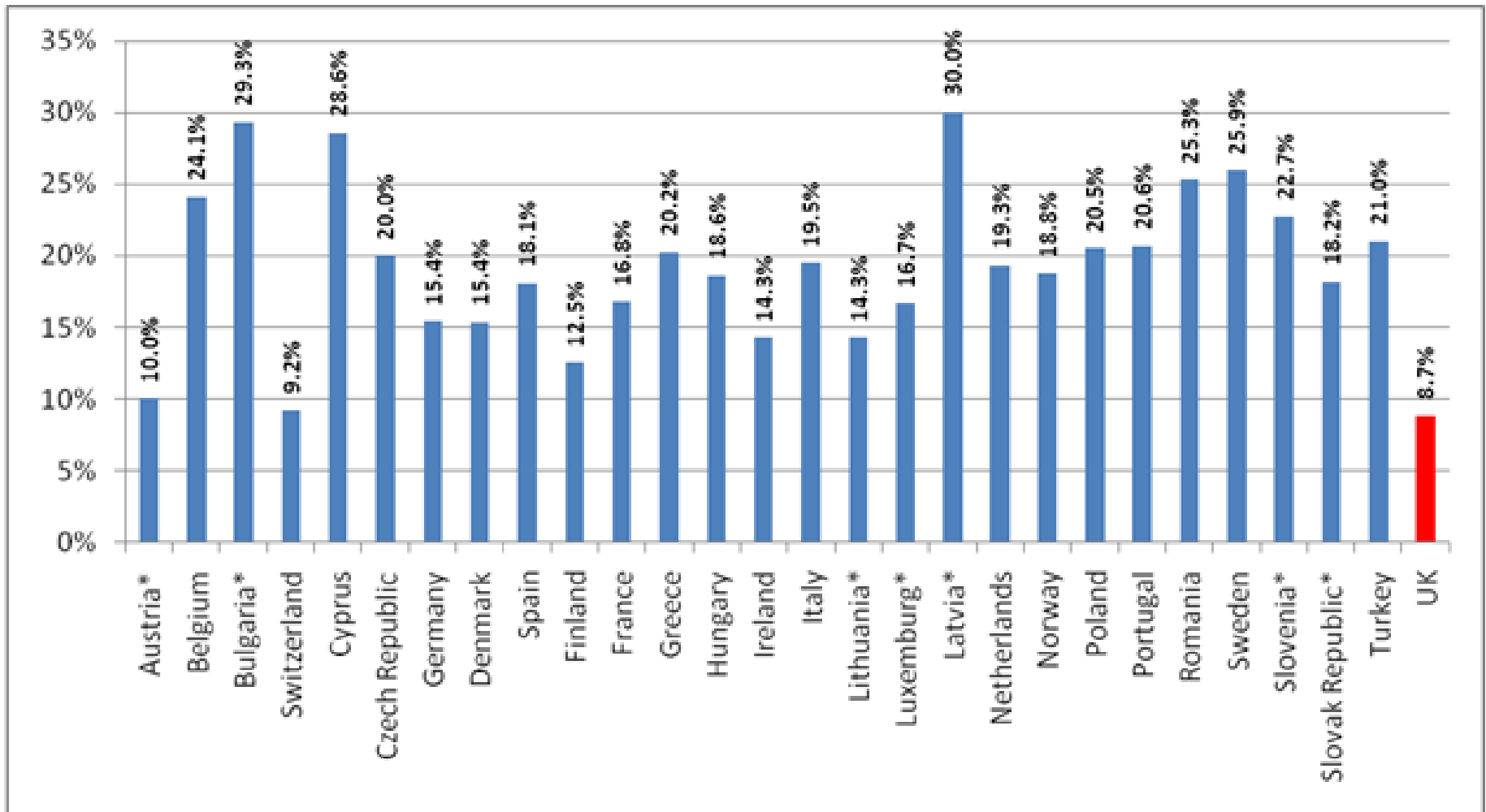
c) 28th (ie lowest percentage in Europe)

Quiz Question 4

8.7% of the UK Engineering Profession are women. Where do we come in the list of 28 European countries surveyed?

c) 28th

Quiz Question 4



What kind of jobs can I do?



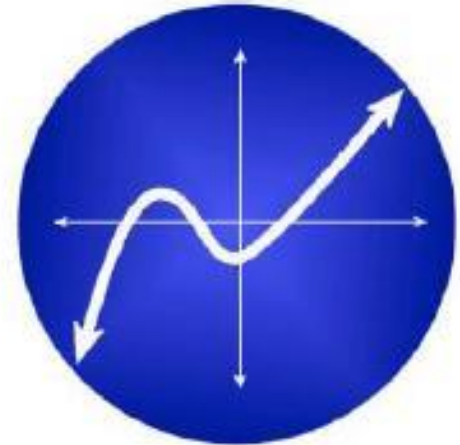
Science



Technology



Engineering



Mathematics

<https://www.youtube.com/watch?v=3bnMBhO0LnU>

But I'm a more
creative type



Science



Technology



Engineering



Mathematics



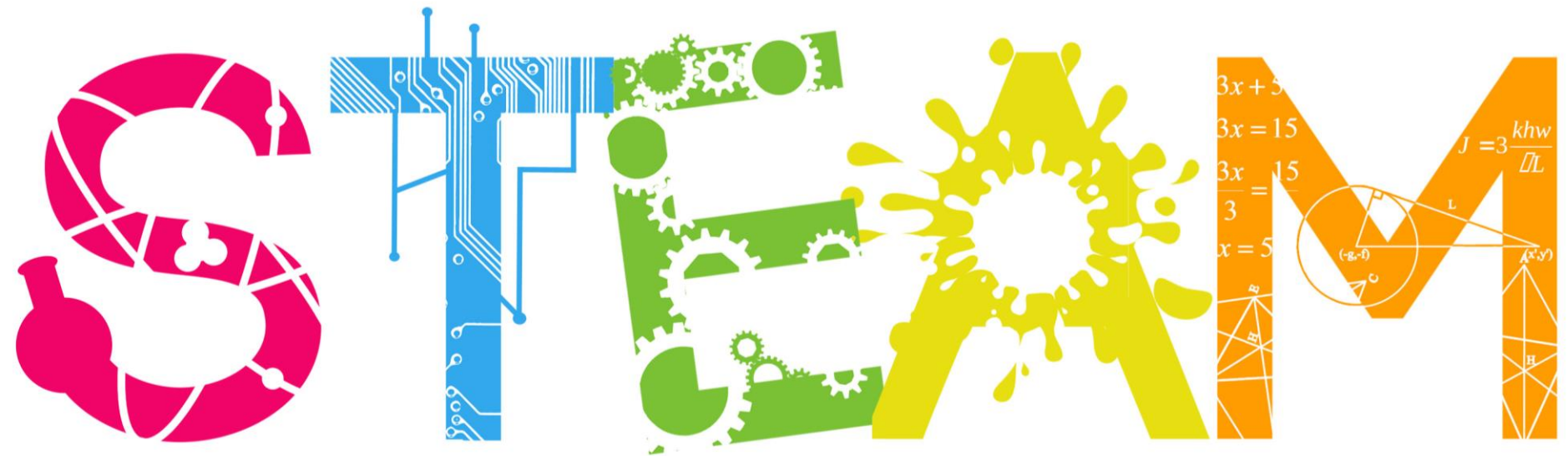


SCIENCE TECHNOLOGY ENGINEERING ART MATHEMATICS



<https://www.youtube.com/watch?v=0WWHAk9abhE>

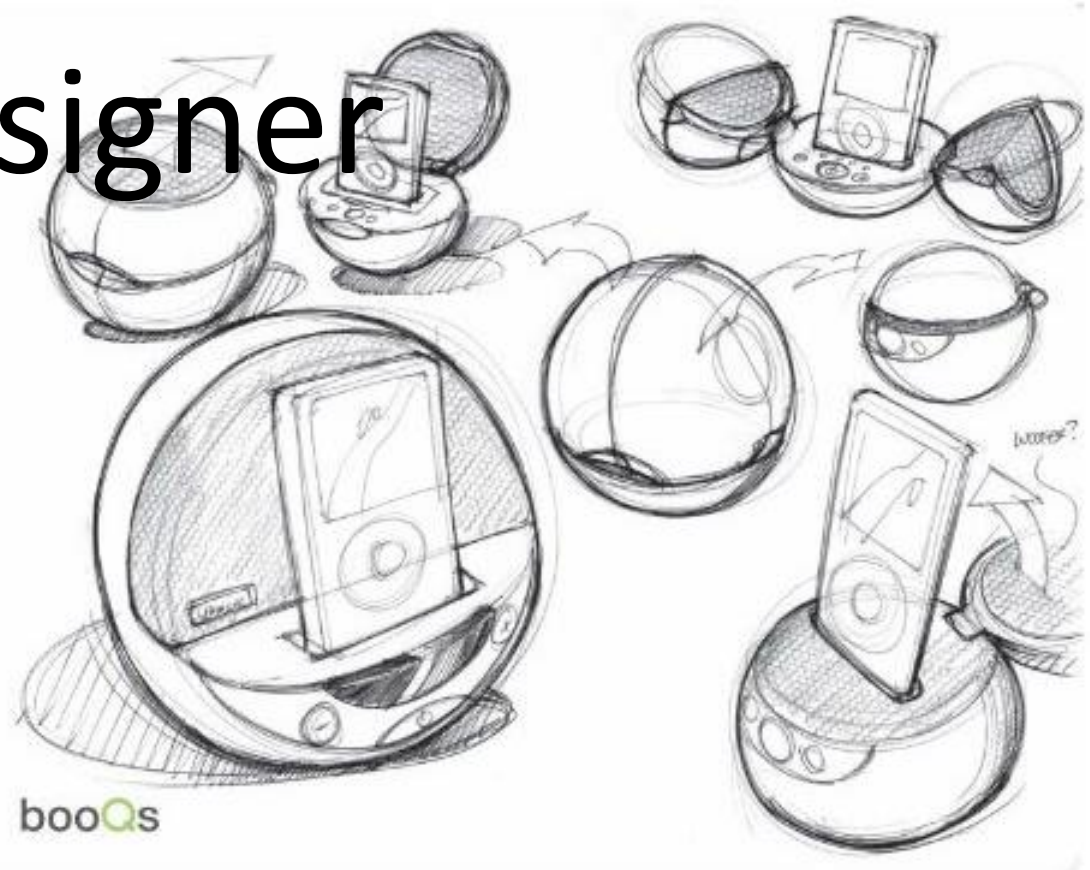
What kind of jobs can I do?



SCIENCE TECHNOLOGY ENGINEERING ART MATHEMATICS

some STEAM careers

Product designer



some STEAM careers



Architect

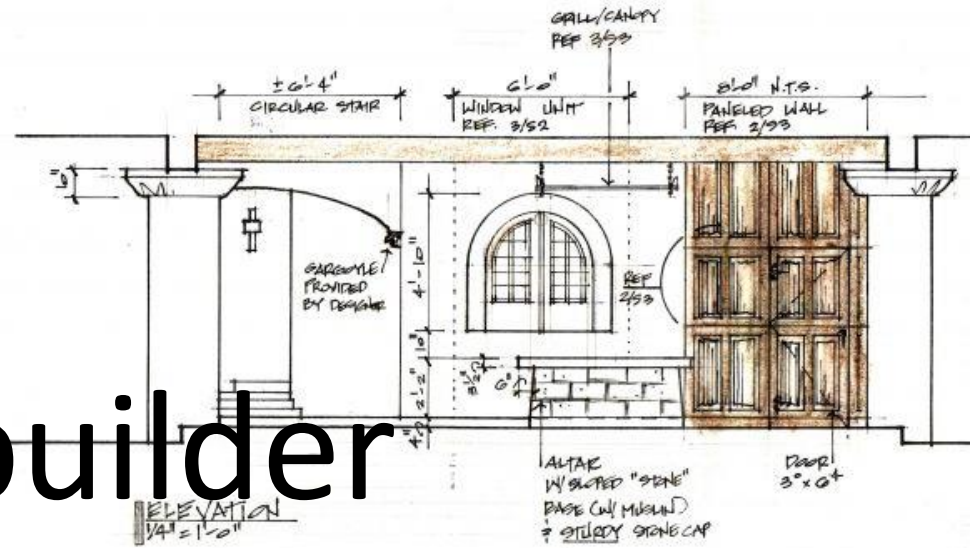
some STEAM careers



Game
designer

some STEAM careers

Set builder



some STEAM careers

Camera
operator



some STEAM careers



**Fashion
designer**



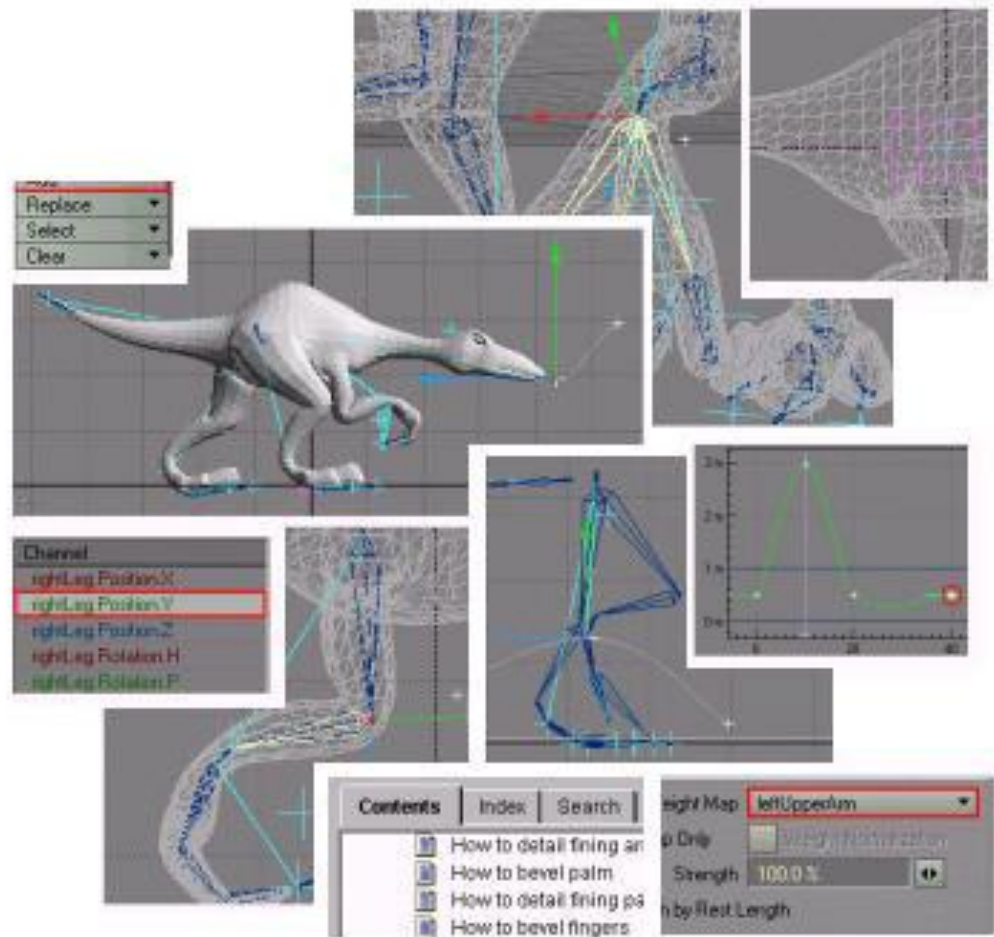
some STEAM careers

Sound engineer



some STEAM careers

Computer animator



<https://www.youtube.com/watch?v=EQk4A0VRtjs>

Key Messages



STE(A)M qualifications :

- lead to a wide range of opportunities at different levels and are valuable for non-STE(A)M jobs. They **keep options open**.
- can help to address **key global challenges** such as climate change.
- are **valued by employers** – 40% of businesses prefer STE(A)M degrees when recruiting graduates.
- STE(A)M courses and careers are **open to all** and can help raise aspirations.
- STE(A)M helps develop enterprise and **employability skills** – analytical capabilities, problem solving, creativity.
- Many STE(A)M jobs need creativity and design skills in **combination** with mathematical and scientific abilities. Good salaries are available and locations for work are really varied, **often not just** a desk or a laboratory



Further information...



maths
careers
ENDLESS OPPORTUNITIES