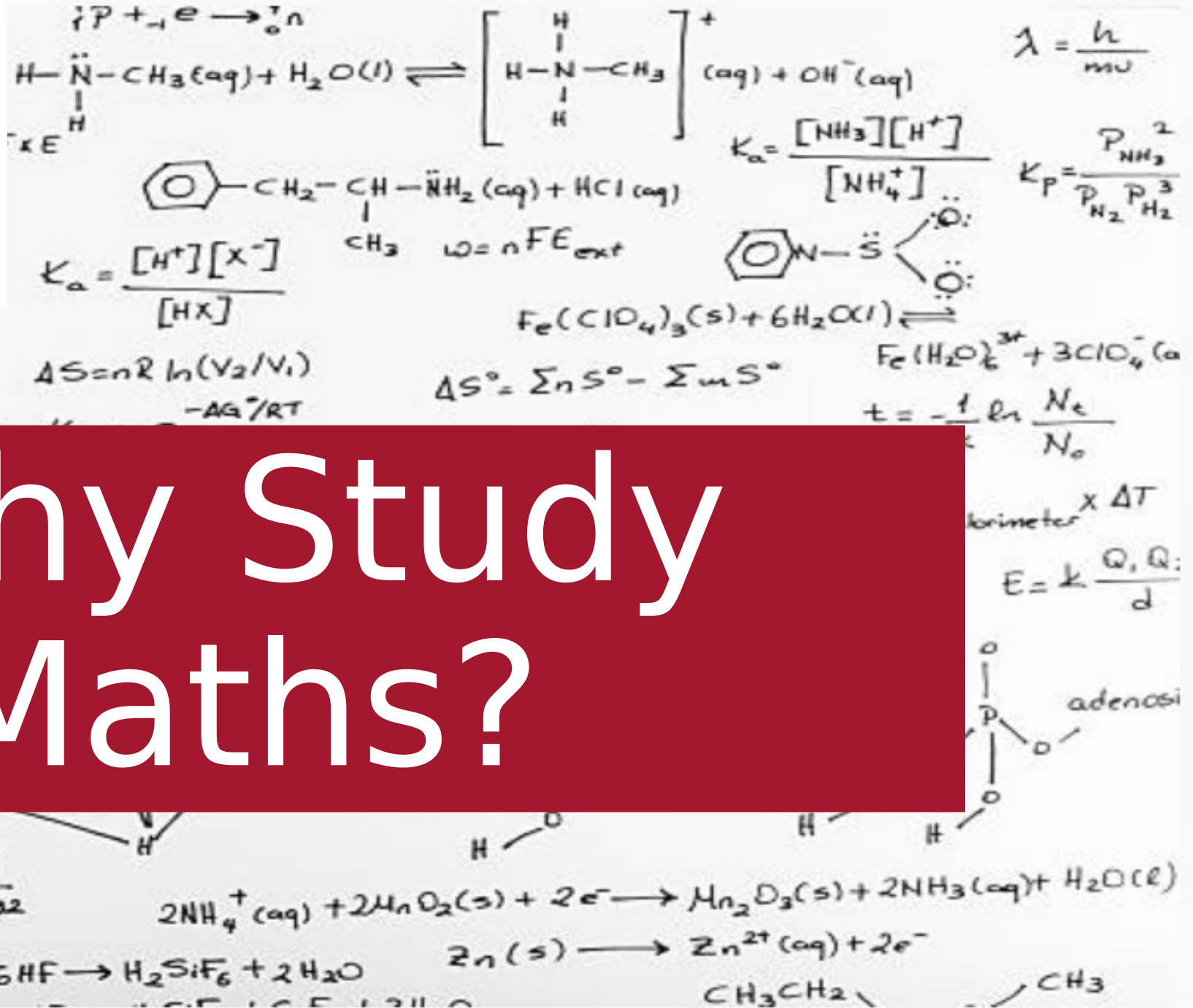


Why Study Maths?



Why is Maths Important?

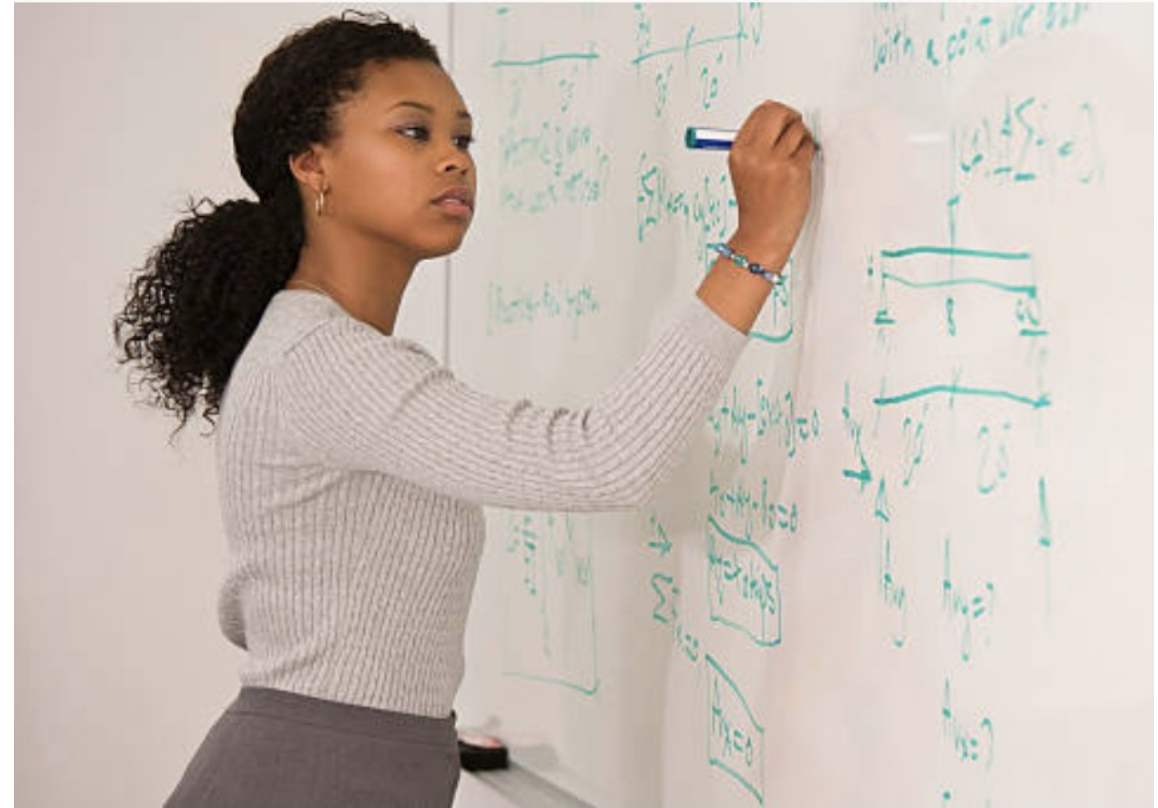
Why study Maths A-Level?

- Career opportunities
- Employability skills
- Preparation for higher education
- Supporting other subjects
- Transferable skills
- Salary advantage



Common Misconceptions

- I'm not good at Maths, and therefore I should focus on other subjects
- It's all work and no play
- Maths is going to be insanely difficult
- I don't have a mathematical mind
- Maths has no use in real life
- Mathematicians don't know how to have fun
- Boys are better at Maths than girls

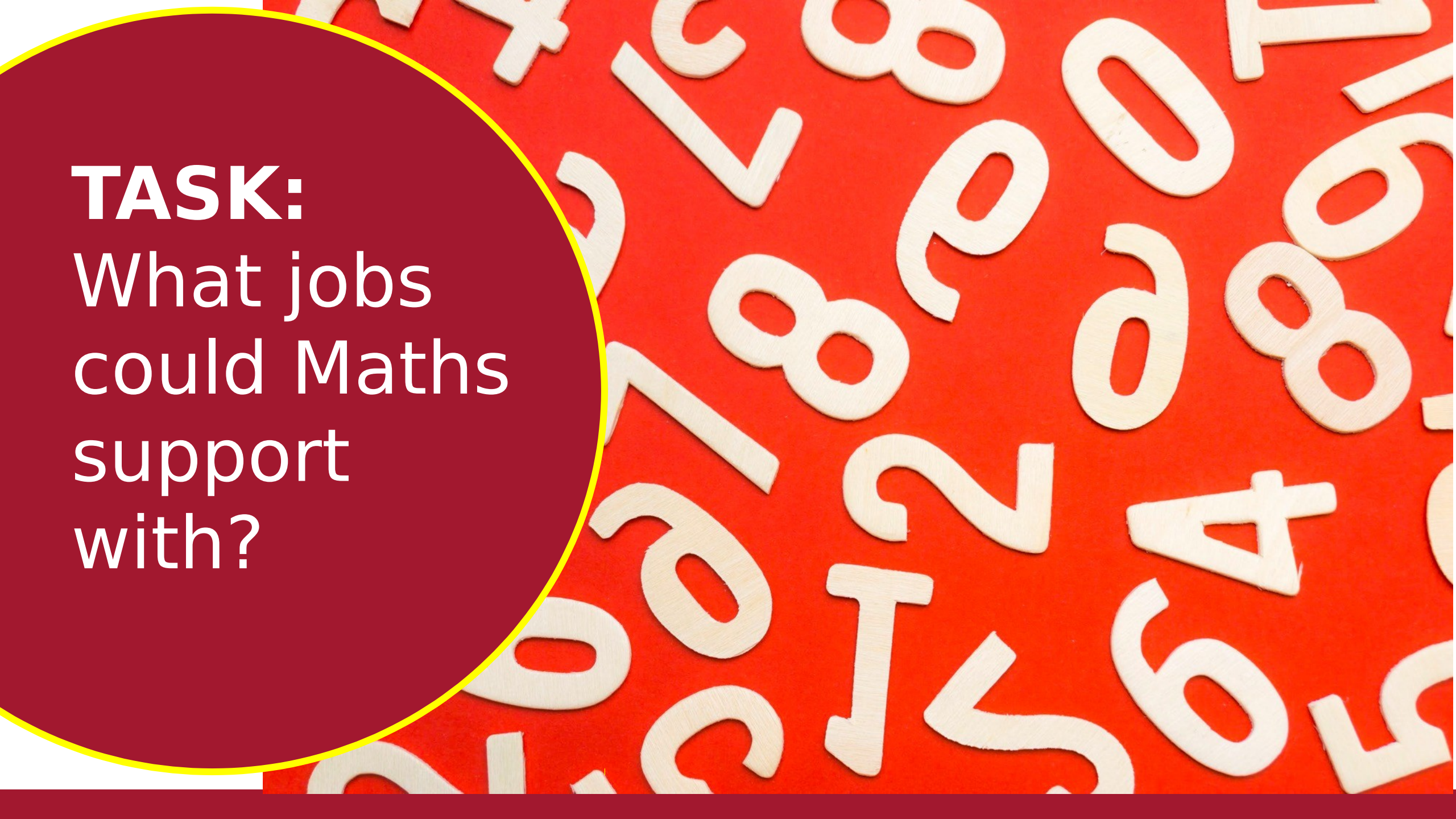


Video – the mindset of high achievers



Video links to YouTube. We recommend that you embed.

Mindset of High Achievers (Video)

The background of the slide features a vibrant red surface covered with numerous light-colored wooden numbers, including 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9, scattered in various orientations. A large maroon circle with a thin yellow border is positioned on the left side of the image.

TASK:

What jobs
could Maths
support
with?

What can I do with Maths?

Maths is
needed in
EVERY job at
some level!



What can I do with Maths?

- Accountant
- Computer Programmer
- Doctor
- Engineer
- Investment Manager
- Lawyer



What can I do with Maths?

- Games Developer
- Teacher
- Market Researcher
- Banking
- Government
- Space/Aircraft Industry



How does Maths develop character and culture?

How has your character developed since year 11?



How does Maths develop character and culture?

- Critical thinking
- Problem-solving
- Analytical thinking
- Quantitative reasoning
- Ability to manipulate intricate ideas
- Independence

Top 10 Movie Geniuses



How does Maths develop character and culture?

- Construct logical arguments and expose illogical arguments
- Communication
- Time management
- Teamwork



Top 10 Movie Geniuses

DISCUSS: What is going on with the colours?

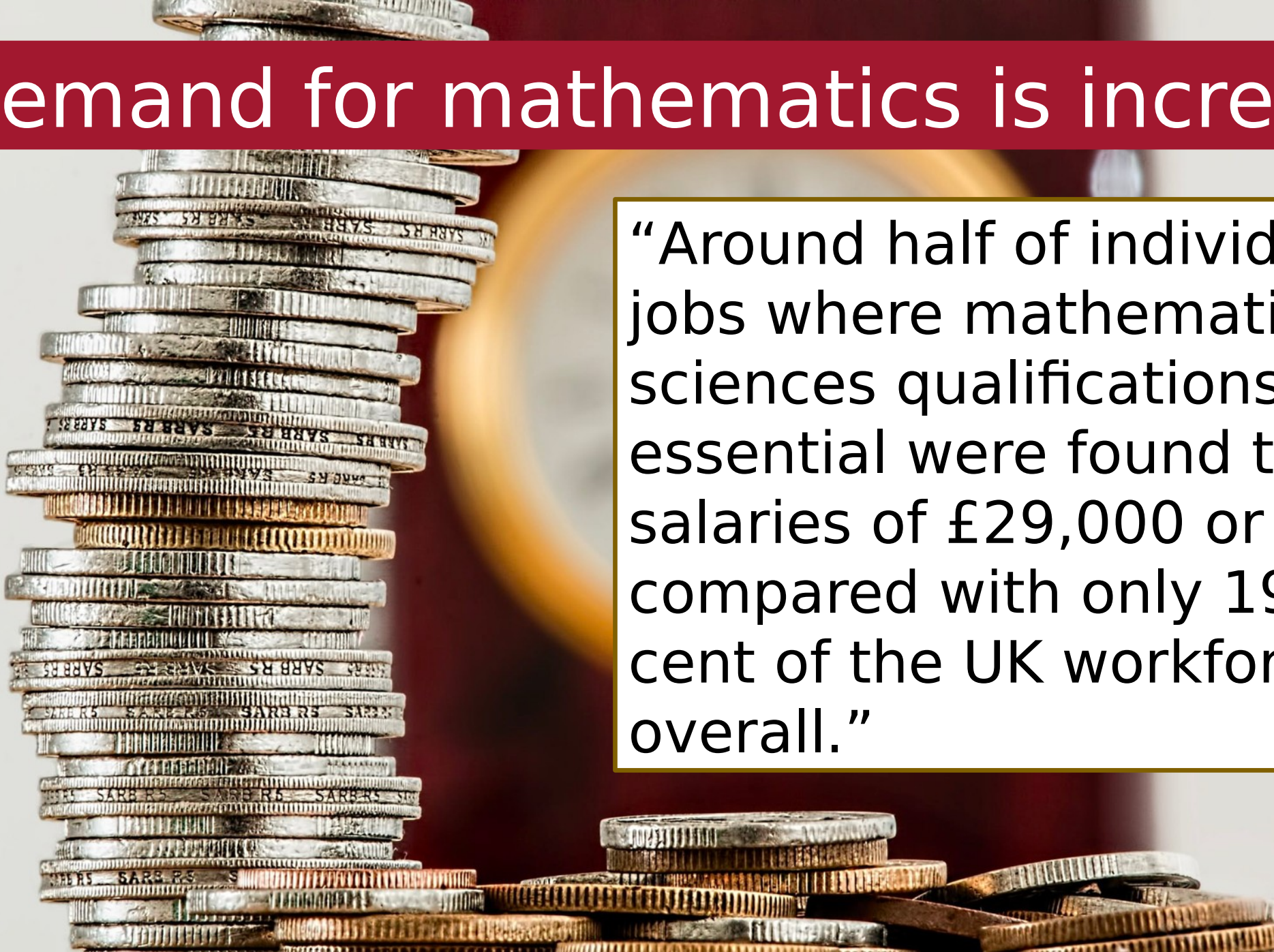


Video

the demand for mathematics is increasing

“Adults with basic numeracy skills earn higher wages and are more likely to be in employment than those who fail to master these skills.”

“Individuals who achieve five or more good GCSEs (including English and mathematics) as their highest qualification have a lifetime productivity gain worth around £100,000 compared to those with below level 2 or no qualifications.”



The demand for mathematics is increasing

“Around half of individuals in jobs where mathematical sciences qualifications are essential were found to have salaries of £29,000 or more, compared with only 19 per cent of the UK workforce overall.”

The demand for mathematics is increasing

“It is generally accepted that attaining A level mathematics bestows a significant wage premium. The often-cited work by Dolton and Vignoles demonstrated that graduates from 1980 with a mathematics A level were earning 7-10 per cent higher wages in their early thirties compared to those who took A levels in other subjects.”



The demand for mathematics is increasing

“Between 2013 and 2020, employment in the UK is forecast to increase by 6 per cent, whilst demand for experts in software, data storage, retrieval and analysis is expected to rise by 160 per cent, reflecting the growing UK digital economy and the increasing amounts of data garnered from the internet.”



Further Information

The website icould.com offers a range of videos from professionals in the industry talking about their careers. Follow this link to see the range of careers available to you, and listen to people who are actually working within those:

<https://icould.com/explore/subject/maths>

Alongside this, careermapping.co.uk provide further information regarding careers:

<https://careermapping.co.uk>



PiXL FUTURES

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