

## Transcript

### Why choose a STEM career?

#### Rashid

Technology can help solve many of the world's problems, from medical advances to tackling global poverty and even reducing driving incidents and accidents. Software and computers are critical in such progress, and as the world advances, technology will only become more ingrained in our lives. And I would love to be a part of that change and make a positive impact.

#### Najiya

I chose to study STEM because I believe there has been an overlooked opportunity to highlight how many different cultures have contributed to our understanding of mathematics. Often, when mathematical discoveries are made by Europeans, they are named to honor their work and legacy, such as Gauss's law, Euler's identity, and Bernoulli's principle.

However, contributions by scholars from other cultures sometimes don't receive the same recognition. For instance, Al-Khwarizmi's work on the binomial theorem and Al-Haytham's contributions to the law of cosines are notable examples. The quadratic formula, an essential part of mathematics, involved the brilliant minds of Brahmagupta and other scholars, yet it is not commonly associated with their names. Similarly, Snell's law was actually discovered by Ibn Sahl 600 years earlier, and the Fibonacci sequence was known in India long before it was named after Fibonacci.

Pascal's triangle was understood by Persian and Chinese mathematicians, and the Pythagorean theorem was recognized in Babylon, ancient Egypt, and ancient India before Pythagoras.

#### Jill Shaw

I would really recommend a career in STEM. There are so many opportunities and such a variety of work. And now, with access to podcasts and online events, it's much easier to learn what people actually do in different jobs.

For example, the world of cybersecurity has a vast range of roles, from technical penetration testing to social engineering.

#### Dhouha Kbaier

I chose a STEM career because it gives me the opportunity not only to contribute to groundbreaking research but also to shape future technologies that address global challenges. Whether it's combating climate change, improving healthcare accessibility, or designing systems to support vulnerable populations, STEM plays a crucial role.

In this field, my research truly matters, and that's deeply motivating for me.

#### Andrew

The obvious answer to why you should choose a STEM career is that it opens doors and encourages connections. I've always loved how STEM looks to the future, even when you're studying discoveries from the distant past.

But most of all, I think it's important to do something with your life that you truly enjoy. And for me, STEM is fascinating and fits the bill perfectly.