10 great reasons
to become a scientist or engineer

Scientists and engineers are developing many innovative solutions and products:
- Artificial limbs for the injured and disabled
- Treatment and medicine for diseases like cancer and Ebola
- 3D games consoles
- Solar powered laptops
- Advanced make-up that automatically matches skin tone
- Systems to reduce the risk of flooding
- New modes of transport, such as driverless vehicles
- Smart fabrics that react to heat and light, with in-built digital technology
- Space crafts for future tourists
- Supercomputers that predict the effects of climate change

We will need over 2 million new scientists, engineers, technicians and mathematicians in the UK by 2022.

Engineering and technology can be found in practically every industry: from sport, fashion and music to medicine, transport and renewable energy.

The average graduate starting salary for engineering and technology is over 20% higher than for all graduates.

Engineers and scientists tackle some of the world’s most pressing problems – from dealing with cyber security and maintaining clean water and energy supplies to finding sustainable ways to grow food, build houses and travel.

On average, engineering apprentices earn over double the minimum national apprentice wage.

The UK renewable power sector will create an extra 70,000 jobs in the next 10 years, including developing wind farms and capturing tidal energy.

The global construction market is forecast to grow by over 70% by 2025.

Studying physics and maths is important for hundreds of different careers, from predicting climate change to designing apps. We need more young people – particularly girls – to take physics and maths, to keep their options open for a huge range of careers.

Careers information and inspiration...
- engineering: tomorrowseengineers.org.uk
- biology: societyofbiology.org/students
- chemistry: rsc.org/careers/future
- physics: physics.org/careers
- maths: mathscareers.org.uk

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