

# 10 Great Reasons to become a scientist or engineer

## 1 Develop all this...

- Artificial limbs for the injured and medicine for diseases like Ebola
- 3D games consoles and solar powered laptops
- Make-up that automatically matches skin tone
- Systems to reduce the risk of flooding
- Driverless vehicles and spacecraft for future tourists
- Smart fabrics with in-built digital technology
- Supercomputers that predict the effects of climate change



...and more

## 2 Work in your favourite industry

From food, medicine and renewable energy to sport, film and music – scientists and engineers are needed everywhere



## 3 Earn great money

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



Minimum apprentice wage

Engineering apprentice wage

The average starting salary for people with engineering and technology degrees is 20% higher than for all graduates.

## 4 Make a difference

Help tackle some of the world's biggest challenges, like responding to natural disasters, improving cyber security and developing clean energy sources.



## 5 Be in demand

The UK needs over 2 million new scientists, engineers and technicians by 2022.

## 6 Choose your own route

Go to college, do an apprenticeship, get a university degree or combine all three.



## 7 Have your pick of future careers

Capture tidal energy, design a robot, discover a cure for cancer... or do a job that doesn't even exist yet!

Continuing with maths and science – especially physics – keeps your options open for as long as possible for jobs in science, engineering, technology, law, business, space, architecture and much more.

## 8 Travel the globe

Work in dynamic teams with people from different backgrounds, all over the world.



## 9 Gain respect 10 Design, create and innovate

Be remembered for your work and go down in history for designing incredible structures, making awe-inspiring advancements in technology, discovering planets or identifying crucial genetic codes.

Subjects like design and technology, art and computing can help pave the way to careers that revolutionise the way we live.



Take our short quiz to discover your crew and gain careers inspiration: [thebigbangfair.co.uk/whoscrewareyou](http://thebigbangfair.co.uk/whoscrewareyou)



Find out more about careers in science, technology, engineering and maths: [thebigbangfair.co.uk/careers](http://thebigbangfair.co.uk/careers)

engineering: [tomorrowsengineers.org.uk](http://tomorrowsengineers.org.uk)  
 biology: [rsb.org.uk/make-a-difference](http://rsb.org.uk/make-a-difference)  
 chemistry: [rsc.org/careers/future](http://rsc.org/careers/future)  
 physics: [physics.org/careers](http://physics.org/careers)  
 maths: [mathscareers.org.uk](http://mathscareers.org.uk)



The Big Bang  
UK Young Scientists & Engineers Fair



Tomorrow's Engineers