

# THE BIG BANG

# 10 GREAT REASONS TO BECOME A SCIENTIST OR ENGINEER



## 1. DEVELOP ALL THIS...

- **Artificial limbs** and **vaccinations** against diseases
- **Wind farms** and **electric vehicles** to help save the planet
- Make-up that automatically matches skin tone
- **Spacecraft** for future tourists
- Smart fabrics with **in-built digital technology**
- **Supercomputers** that predict the effects of climate change



## 2. WORK IN YOUR FAVOURITE INDUSTRY

From **food, medicine** and **renewable energy** to **sport, gaming** and **music**



Scientists & engineers are needed everywhere!

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## 3. MAKE A DIFFERENCE

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



## 4. EARN GREAT MONEY

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



The average starting salary for people with **engineering and technology degrees** is higher than for other graduates.

## 5. BE IN DEMAND

People with **science, technology and engineering** skills are needed now and in the future, to innovate and respond to our changing world.



## 6. 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.



## 7. CHOOSE YOUR OWN ROUTE

Go to college, do an apprenticeship, take a T level, get a university degree or combine different routes.



## 8. TRAVEL THE GLOBE

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

## 9. GAIN RESPECT

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.



## 10. DESIGN, CREATE & INNOVATE

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



Find out more about careers in science, technology, engineering and maths:

**Engineering**  
[neonfutures.org.uk/my-world](http://neonfutures.org.uk/my-world)

**Technology**  
[techskills.org/careers](http://techskills.org/careers)

**Biology**  
[rsb.org.uk/make-a-difference](http://rsb.org.uk/make-a-difference)

**Chemistry**  
[edu.rsc.org/future-in-chemistry](http://edu.rsc.org/future-in-chemistry)

**Physics**  
[iop.org/careers-physics](http://iop.org/careers-physics)

**Maths**  
[mathscareers.org.uk](http://mathscareers.org.uk)