

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

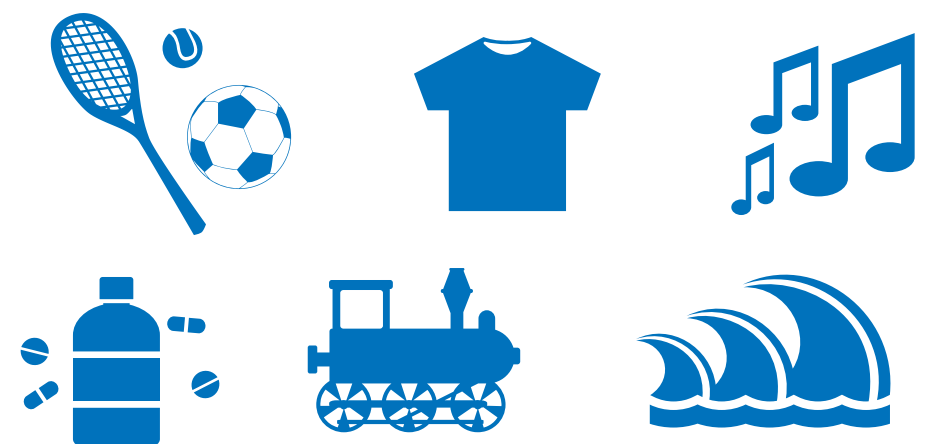
...and more



2

Work in your favourite industry

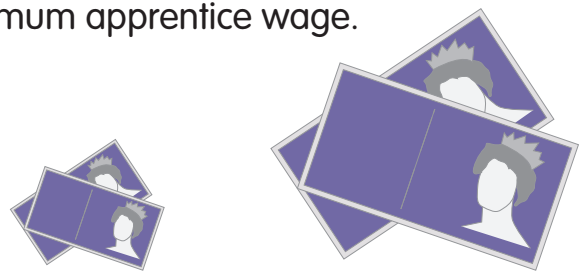
From **food**, **medicine** and **renewable energy** to **sport**, **film** and **music** – **scientists and engineers are needed everywhere**



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

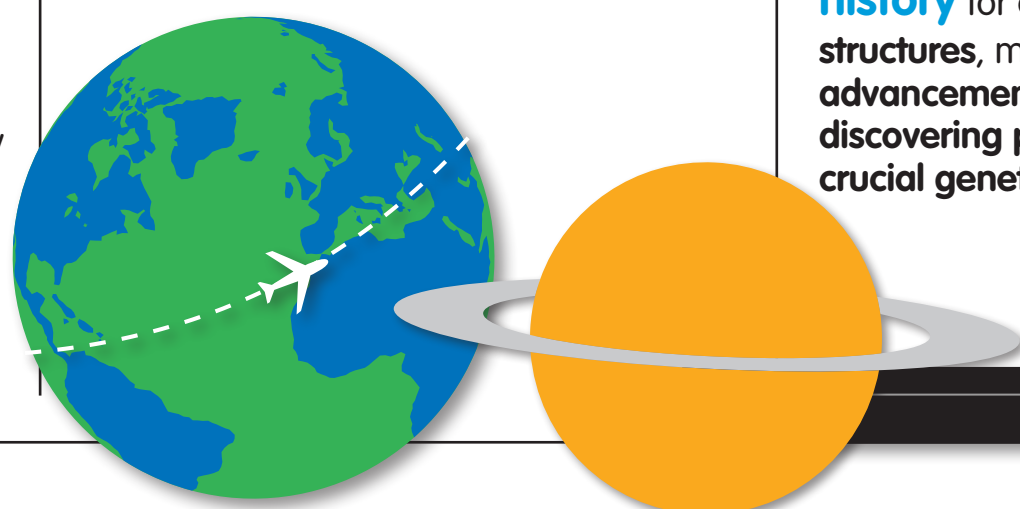
Capture tidal energy, design a robot, discover a cure for cancer... or do a job that doesn't even exist yet!

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

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 and innovate

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

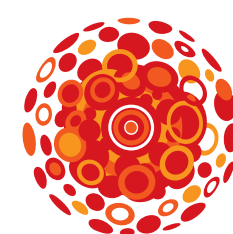


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physics: physics.org/careers
maths: mathscareers.org.uk



The Big Bang
UK Young Scientists & Engineers Fair



Tomorrow's Engineers