

# Transition to net zero



**6.3** million people work in engineering and technology jobs in the UK

25% of all job adverts are for engineering and technology roles

In the past 5 years:

**48%** ↑

increase in job adverts mentioning 'green skills'

**55%** ↑

increase in job adverts for 'green engineering jobs'

Up to **725K** new jobs are needed to support the transition to net zero



**77%**

of students agreed that The Big Bang Fair had shown them solutions to environmental problems.

**71%**

of students said that Energy Quest had taught them about the role engineers play in developing technologies for renewable energy sources



**92%**

of teachers said engineering would be important or very important in the UK achieving net zero by 2050

[www.engineeringuk.com/references](http://www.engineeringuk.com/references)

Projected new jobs in net zero workforce\*



Category	Projected new jobs
<b>Transportation</b>	
Aviation	10,350
Electric vehicles and batteries	90,000
<b>Energy and power</b>	
Energy (all)	260,000
Biomass and bioenergy	15,000
EV charging points	4,900
Hydrogen	28,000
Solar PV	26,250
Wind (offshore)	55,000
Wind (onshore)	4,000
<b>Buildings</b>	
Retrofit	250,000
<b>Industry</b>	
Industrial decarbonisation	353,000
CCUS (Carbon Capture, Usage and Storage)	70,000
<b>Waste</b>	
Waste and recycling	14,800

Engineering and technology is fundamental in providing solutions to climate change and achieving net zero. Demand for 'green skills' is increasing, with up to 725,000 new jobs needed to support the UK's transition to net zero across a wide range of sectors.

Young people's interest in the environment



Girls

Climate change **47%**  
Biodiversity loss **37%**  
Sustainable fashion **21%**



Boys

Climate change **38%**  
Biodiversity loss **24%**  
Transport that has less impact on the environment **21%**

**35%**

of young people are interested in a career that will help reduce the impact of climate change

**64%**

of young people are interested in climate change issues

What are the top 3 environmental topics young people are interested in?

**31%** biodiversity loss

**42%** climate change

**22%** air pollution

\*New jobs projections are indicative numbers from over 20 pieces of original research and analysis. As such, projection methodology and dates will differ.