

Knowledge and perceptions

Young people

72% think engineering is a career that allows people to be creative

36% say they know a fair amount about what engineers do

32% say they know a fair amount about what those working in tech do

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

46% interested in an engineering career

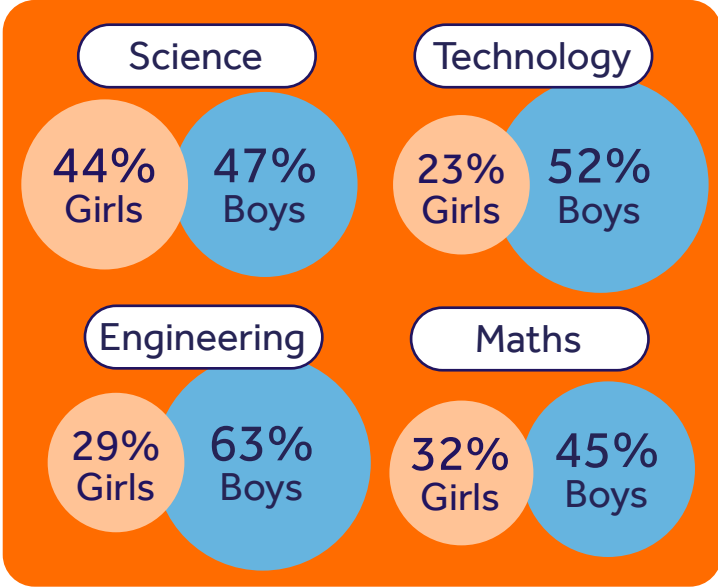
38% interested in a tech career

25% think engineering fits well with who they are

12% of girls say being an engineer fits well with who they are compared with 38% of boys

30% think engineering is suitable for them

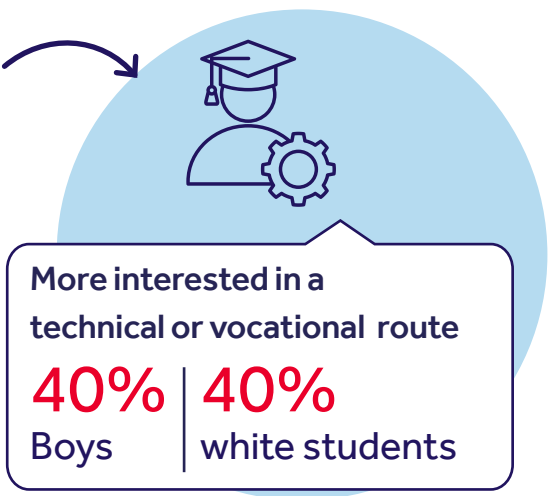
16% of girls think engineering is suitable for them compared with 44% boys



36% of girls say science is not for them

Engineering and technology jobs offer a wide range of opportunities to young people. More can be done to improve knowledge and perceptions of these careers amongst both teachers and students.

Young people interested in an engineering career prefer a technical or vocational route (36%) compared to a university route (28%)



Teachers are equally likely to recommend an apprenticeship or university route (36%), another technical/vocational route (4%)

53% feel confident advising their students of vocational and technical pathways into engineering

85% of STEM teachers recommend a career in engineering

92% said engineering is important or very important in the UK achieving net zero by 2050

21% of students said Energy Quest motivated them to find out more about engineering jobs

79% of The Big Bang Fair attendees said they knew more about what engineers do after The Fair. **75%** wanted to find out more about STEM jobs. **65%** were inspired to consider a job in STEM.

76% of teachers delivering Big Bang at School said it made them more confident to speak to students about STEM careers

82% said it motivated them to suggest STEM careers to students