

Educational pathways into engineering and technology

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



More interested in a university route
Girls 38% | Asian students 44%



More interested in a technical or vocational route
Boys 40% | white students 40%

Teachers



Teachers are equally likely to recommend an apprenticeship or university route (36%) and less likely to recommend 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

83% of teachers say they know what subjects their students would need to take to have a career in engineering

Top 3 reasons young people are interested in a technical or vocational route



To start earning money straight away

48%

Prefer to learn by doing things

48%

Engineering is practical and well suited to on-the-job learning

46%

Top 3 reasons young people are interested in a university route



To keep career options more open

54%

A degree would lead to better paid jobs in the long run

53%

To have the experience of going to university

54%

Top 3 reasons STEM teachers would recommend a technical or vocational route into engineering



If they prefer to learn by doing rather than being in a classroom

54%

Engineering is practical and well suited to on-the-job learning

52%

To avoid high student fees and/or debt

50%

Top 3 reasons STEM teachers would recommend a university route into engineering



To keep career options more open

71%

They might need a degree to progress in their career

48%

Better for their personal development

39%

We need all young people to understand the variety of educational routes available to them to have a career in engineering and technology. As parents and teachers are the main sources of careers information for young people, it is important to also understand their level of knowledge.

89%
of STEM teachers in England are aware of T Levels



But only 11% say their school or college offers T Levels

Parent knowledge of different education/training routes:



	Know a lot	Know a little
University	42%	40%
Apprenticeships	20%	60%
Other vocational	15%	54%
BTECs	12%	47%
T Levels	5%	23%