

FUTURE RAILWAY ENGINEERING (VIRTUAL)

Heavyweight, high-speed trains transport people across the globe - connecting families, transporting goods, and keeping the world moving. These huge, complex machines must be extremely secure to protect their passengers and cargo.

Students on this course will work in teams to build and crash a scale-model train, testing how their design responds to stress and learning what it takes to be a rail safety engineer. This course is for Years 11/12 England and Wales, S5/6 Scotland and Year 12/13 Northern Ireland.

Using your smartphone, you will record the crash and analyse the footage to see how your design protects passengers. This course combines fun, interactive learning online with access to leading academics from the University of Birmingham, and the chance to learn more about a career in engineering.

'I enjoyed building and testing my design, because it was exciting seeing all my planning and calculations come to life.' *Rail Course Student 2021*

This event includes the following:

- Plan, design and build a safe train model
- Learn about engineering through a series of masterclasses and workshops
- Improve communication, time management and planning skills by working in a team
- Build design skills by taking part in small group mentoring sessions
- Improve your CV with experience that lifts your UCAS application above the crowd



WHEN

02 Aug - 05 Aug 2022

Start time: 10:00 hrs

Finish time: 16:00 hrs



WHERE

Virtual



COST

£95*

* If cost is a barrier please see our FAQ for more details.