

EDT's Routes into STEM can help you to understand all your options available in Science, Technology, Engineering & Maths after your GCSE's in a 3 day taster course...

What will I do?

Here are examples of activities from previous Routes courses. Each course is developed closely with our partners so activities will vary.

Day 1 - College

- The Unreal Gaming Workshop (augmented reality)
- Aerospace Engineering Taster (including a Boeing 737 flight simulator)
- 3D Drawing Workshops (AutoCAD & Solidworks)
- Sound, Time and Frequency Workshop
- Auto Mechanics Tasters
- Chemistry Workshop

Day 2 - University

- Visual Effects Masterclass: film, technology & broadcast engineering
- Fluid Mechanics: build a boat to survive the waves
- Civil & Coastal Engineering Taster
- Physics in Action: mass, force & acceleration
- Presentation Skills Masterclass
- Entrepreneurism Workshop

Day 3 - Company

- Bridge Master Class: understand bridge construction and test to destruction
- Map Challenge: cost and construct your own HS2 railway line
- Environmental Challenge: reduce the negative impact of road construction
- Thermal Imaging Camera Demo
- Networking, Coding & Decoding Challenges
- Mining for The World: competitive team practical who can create the most successful mining company

What's in it for me?

- Gain knowledge and insights from your peers and other role models. Ask those burning questions and get a better picture of what's right for you.
- Explore apprenticeships and compare them against University degrees. Understand your pathway to get to where you want
- Get first hand exposure of a STEM company. Experiencing workplace culture, improving your awareness of job availability and gaining insights into climbing up that career ladder.
- Improve (& test!) your STEM knowledge with challenging & fun practical activities.
- Find inspiration for what type of career suits you, your passions and your strengths.
- Get your head around career planning with our Routes into STEM workbook; filled with useful activities, information and case studies.
- Boost your CV and UCAS application with a Bronze level award from Industrial Cadets showing that you have received a minimum of 20 hours enhanced workplace experience.









Scan me...



Check out this short clip to find out what's involved

96% of Students said they would definitely pursue STEM subjects in the future



99% of
Parents &
Guardians said
that their children
had enjoyed the
course and felt
that it had helped
them to think
about their future

98% of Students said that they would recommend the Routes Course to their friends



Don't just take our word for it...

"I really liked learning about STEM and what's happening in the real world"

"It has shown me the wide range of courses and jobs available helping me to shape my future"

"I enjoyed all of the practical activities because they are a once in a lifetime opportunity"

"It opened up my mind to the options available"

Partner Organisations:

Colleges

Bromley College CEMAST Fareham College Central Sussex College City College Plymouth City of Bristol College Coventry University College Derby College Derwentside College Eastleigh College Exeter College Lincoln College Manchester College, The Milton Keynes College Newcastle College North West London, College of Northbrook College Oaklands College Solihull College Sunderland College Telford College of Arts & Technology Tyne Metropolitan College Uxbridge College West Herts College Westminster Kingsway College

Universities

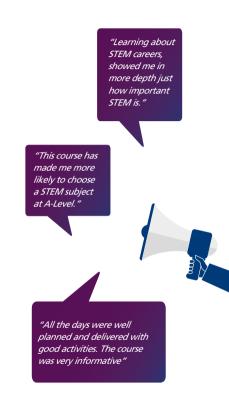
University of Bedfordshire Birmingham City University University of Brighton City. University of London Coventry University University of Derby University of Exeter University of Greenwich University of Hertfordshire University of Lincoln Manchester Metropolitan University Newcastle University Northumbria University - Think Physics Plymouth University Southampton Solent University University of Southampton University of Sunderland University of Sussex University of The West of London University of Westminister University of Wolverhampton

University of The West of England

Companies

Amey Babcock International **BAE Systems** Balfour Beatty Rechtel BuroHappold Engineering Faccenda Foods Ltd GKN plc **GlaxoSmithKline** Leonardo MB Aerospace Niftvlift Ltd Nissan Opus International RAF Museum Cosford Reece Group Rolls Rovce Rolls-Royce Controls and Data Services Ltd Schneider Electric Siemens AG

Thales Group





Find out everything you need to know at www.etrust.org.uk/routes-stem