

Routes  
into STEM

EDT

# Let us help you choose the right Routes into STEM

Are you in Year 9 or 10 (13 to 15 years old)?  
This taster course will give you an invaluable  
experience and help you understand the  
Routes to many exciting, diverse and  
well paid STEM careers.



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 be.
- 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"*

Don't delay. Contact the Routes team at EDT...

Email: [RoutesIntoSTEM@etrust.org.uk](mailto:RoutesIntoSTEM@etrust.org.uk)

Call: 01707 386151

# 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 Westminster  
University of Wolverhampton  
University of The West of England

## Companies

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

*"Learning about  
STEM careers,  
showed me in  
more depth just  
how important  
STEM is."*

*"This course has  
made me more  
likely to choose  
a STEM subject  
at A-Level."*

*"All the days were well  
planned and delivered with  
good activities. The course  
was very informative"*

