

STEM Workshops, Projects, and Presentations 1/2



Event type	Duration (guide)	Details	Fee (incl VAT)
Careers or Science Fairs	As required depending on event timetable	Attendance to promote engineering careers at your Science Fair or Careers Day. We don't charge for this voluntary activity in our capacity as STEM Ambassadors (travel limited to 40 miles each way)	FREE
Interactive Talk: What's an Engineer?	30 to 60 minutes plus time for questions	A talk that's been successfully given to pupils from KS1 through to KS4 . This session discusses the range of careers available and includes interactive discussion about what engineers do and the exciting career opportunities.	£36
Mentoring: Engineer on Call	Available 'per lesson' or get 15% discount for a series of 4 or more	Access to skilled engineers is a hugely valuable resource for all Key Stages as identified by RAEng and TES... <i>" engagement with engineers is important... [exposure to them] will set young people up for the future, making them more creative, resilient, and career-ready" .</i>	£36
Workshop: Future Transport Challenge	Either a half-day workshop, or three 1-hour sessions	A STEM workshop, for KS2 to KS5 , that explores congestion and air-quality in urban areas. Using an interactive dashboard, students can see the impact of the travel choices we make, and then produce creative solutions (social and technological) to make changes. The workshop can be tailored to your local town/city to make it relevant.	£240
Workshop: Introduction to Systems & Processes	Either a half-day workshop, or three 1-hour sessions	This workshop, suitable for KS2 to KS5 , shows how organisations continually improve their systems to deliver better service. Students work in production cells and are shown new improvement tools with each iteration... the results being measured against the clock. We include examples of how these tools are improving service delivery in other sectors such as healthcare, leisure, and retail.	£240
Workshop: Car of the Future	2-3 hours	In this hands-on workshop, suitable for KS1 to KS4 , students first build a Gravity Car. After testing, we discuss momentum, friction, mass, and gravity before moving on to build cars powered by batteries, capacitors, and solar panels. We discuss how we'll generate power in the future and how we can store it... a valuable introduction into one of the great STEM challenges of the 21st Century.	from £180 (depending on qty & type of kits)
Workshop: Car of the Future	n/a	If you would like to run your own Car of the Future workshop we can supply [1] pre-built kits that are ready-to-assemble or [2] the components (cutting, drilling and soldering required) or [3] a parts list with links to suppliers. Full instructions are included.	from £4.20
Workshop: Gears, Levers, Pulleys	2-3 hours	In this hands-on workshop for KS1 to KS3 we look at levers, pulleys, chains and gears. Combining paper exercises, hands-on trials, a lot of K'nex, and a bicycle, we help students understand mechanical systems and how they help you. They'll leave understanding how bicycle gears work, and why they have so many.	£180
Presentation: Fast Charge® Project	From 45 to 90-minutes plus time for questions, as required	The Fast Charge® Project Director will visit your school, club, or society to deliver an inspiring talk about his challenge to set a World Record. A fascinating look at the STEM behind an amazing engineering project, and an insight into the sheer perseverance needed to keep going against many odds. Talks can be tailored to suit your specific interests. Note - fee includes a donation of £50 to Canine Partners, the Fast Charge® chosen charity (www.caninepartners.org.uk)	£180

STEM Workshops, Projects, and Presentations 2/2



Event type	Duration (guide)	Details	Fee (incl VAT)
Specialist Engineering Modules for Aspiring Design and Manufacturing Engineers			
Introduction to CAD	5 weekly sessions but can be tailored to suit	A series of tutorials for KS2 and KS3 , using a professional 3D CAD system, students quickly get hands-on drawing and sketching on screen. They quickly improve their spatial awareness and will cover key elements of the D&T and Maths curriculum by exploring and discussing 2D and 3D geometry, extruding, revolving, planes & elevations, cross-sections. A maximum of 25 students can be catered for, although 15-20 is optimum. Certificates of Achievement are provided on completion.	£240
		Optional one-hour CPD for teaching and support staff to keep them abreast of the CAD experience that the KS2/3 students are receiving. In this session they get hands-on practice to appreciate how CAD systems work and industry applications. Run in conjunction with one of the weekly Introduction to CAD sessions (above).	£30
Aspiring CAD Designer	6 weekly sessions but can be tailored to suit	A hands-on 3D CAD workshop using a professional cloud-based CAD system, brought to you by the team behind the world-record challenging Fast Charge® electric motorcycle; you couldn't ask for a better pedigree to guide you through a series of 3D design and assembly workshops. A maximum of 25 students can be catered for, although 15-20 is optimum Note - as this course is usually run outside the curriculum <u>many schools part- or fully-fund it through student contributions.</u>	£600
CAD Race Vehicle Designer	10 weekly sessions but can be tailored to suit	On this module students design a Gravity Racer or Greenpower F24 car to race in National and International championships... with help from the team behind the Fast Charge® electric motorcycle; a unique chance to develop skills valued by STEM employers around the world. A maximum of 25 students can be catered for, although 15-20 is optimum Note - as this course is usually run outside the curriculum <u>many schools part- or fully-fund it through student contributions.</u>	£600
Operations Management	6 weekly sessions but can be tailored to suit	Great design is only half the battle... STEM organisations need good Operations Engineers to ensure nothing is left to chance; people who can design slick processes, delegate tasks, and appreciate quality and benchmarking. Brought to you by the team behind the Fast Charge® motorcycle this is a rare opportunity to engage, first-hand, with world-class award winning engineers. A maximum of 25 students can be catered for, although 15-20 is optimum Note - as this course is usually run outside the curriculum <u>many schools part- or fully-fund it through student contributions.</u>	£600

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All tutors carry STEM Ambassador Enhanced DBS Identity Cards. Copies of the certificate can be forwarded on request, and originals shown, in person, if requested.

Weald Technology Ltd has Public Liability Insurance for £1,000,000 for all events. A Certificate of Insurance will be provided on request.

40 miles of travel (or a £20 standard class rail fare) is included in each activity. Additional mileage is charged at £0.45/mile. Other expenses will be agreed in advance and charged at cost.

STEM Activity Enquiry Form



Name of School	.....
School Address	...............
Post Code	.....
Phone no	.....
Lead teachers name	.....
Activities requested	.....
Dates and times requested	.....
Subject focus (Maths, Science, D&T, Engineering etc.)	.....
Year group(s)	.....
Approximate number of students	.....
Have you already contacted us regarding this event?	.....
Special notes or conditions we should be aware of.	..... ..... ..... ..... ..... ..... ..... ..... ..... .....
Email address for teacher	.....
Email address for invoice	.....
Signature on behalf of establishment ** See note below **	.....
Print signatory name	.....
Print signatory position	.....

1. Payment terms: a non-refundable deposit of 35% of the activity cost is required to secure booking. Balance is due 5 working days prior to event
2. Cancellation fee: if cancelled within 5 working days of event, we charge 75% of the activity cost, plus 100% of any additional costs that have been incurred.
3. Cancellation fee: if cancelled within 20 working days of event, we charge 35% of activity cost, plus 100% of any additional costs that have been incurred.
4. Date changes: to reschedule an activity (only possible if the new date is no later than 30 days from the original) we charge an admin fee of £20 plus any incurred costs that can not be recovered.
5. Email your form to education@weald-tech.co.uk. We will call to discuss any queries, otherwise we will acknowledge by return with an invoice.
6. Bookings are provisional until a deposit invoice has been issued and payment received
7. All material is the result of many years experience, and copyright is held by (c) Weald Technology Ltd 2012-17. All Rights Reserved.
8. ** By signing you acknowledge our copyright in all material and confirm on behalf of your establishment that will not to replicate in whole or part any activity delivered including but not limited to presentations, handouts, and other material. **If you wish to run the workshops yourself we can discuss licencing of the material. Please contact education@weald-tech.co.uk for advice.**
9. We use the Tomorrows Engineers feedback forms to help measure, update, and improve our activities. We request completion of feedback forms from participants (if appropriate) at the end of the activity.
10. Photographs may be taken during the activity but no videos without prior written consent.