OUTREACH & SCHOOLS LIAISON

A PLACE TO INSPIRE YOU / AN APPROACH TO CHALLENGE YOU
The School of Engineering and Digital Arts (EDA) is committed to promoting careers in Science, Technology, Engineering, and Mathematics (STEM) and in particular, helping teachers to inspire their pupils about future employment opportunities in engineering and digital technologies.

OUTREACH EVENTS

Women in Research, Engineering and Design (WiRED)

As part of EDA’s commitment to raising the profile and celebrating the achievements of women in science, the School organises an annual enrichment event aimed at young women called ‘Women in Research, Engineering and Design’ which coincides with National Women in Engineering Day. The event enables Year 10 and Year 11 students to participate in a number of engineering and digital technology-focussed sessions including a hardware task and a design task. There is also the chance to hear inspirational talks by women in these fields.
The Big Bang
Each year, the School of Engineering and Digital Arts participates in The Big Bang (UK Young Scientists and Engineering Fair), the largest celebration of science, technology, engineering and maths for young people in the UK and showcases just how rewarding a career in these areas can be. A team from EDA invites young people to experience their popular Defeat SPECTRA activity. This activity involves three challenges that access the electromagnetic spectrum through technology. The activity is immersive and themed around thwarting a super villain with teams of young people cracking his secret code and destroying the computer control of the sinister SPECTRA corporation. Along the way, challengers have the opportunity to experience night vision cameras, fibre optic communication, microwave transmission, radio control and UV light to see invisible ink. Defeat SPECTRA is one of the most popular activities at the Big Bang Fair.
Engineering Education Scheme
Each year, the School of Engineering and Digital Arts hosts the Engineering Education Scheme whereby some 80 sixth form students with an interest in science and engineering from local schools and colleges in Kent, attend a two day workshop organised by the charity the Engineering Development Trust (EDT), which is the largest provider of STEM enrichment activities for UK youth. The workshop in EDA enables students to engineer solutions to real industrial problems provided by companies linked to each participating school or college. In the past, projects have ranged from designing a new Helicopter flight stick, development of a low noise technique for breaking rocks, designing a home of the future and simulating a sand storm.
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The School of Engineering and Digital Arts at the University of Kent offers an exciting range of schools liaison and outreach events in a number of subject areas, all of which reflect the undergraduate courses offered by EDA and the specialties within the School’s research-led teaching. Our activities are designed to educate and enthuse young people.

For more information please contact:
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For more information about the School of Engineering & Digital Arts, please go to:

www.eda.kent.ac.uk