

Thank you for supporting the STEM Ambassadors Programme and for any help you have given to support Kent and Medway students studying Science, Technology, Engineering and Mathematics (STEM) in recent months.

Your support is valuable to both the students and the teachers who have had the opportunity to engage with such inspiring role models we hope that you will continue to support the programme. As a STEM Ambassador, the minimum requirement for volunteering with the Programme is one activity per year.

This year more than 100 secondary schools have accessed ambassadors and more than 460 ambassadors have undertaken at least 1 activity. When we started the contract in January 2009 there were only 26 registered active ambassadors. The students could not have taken part in all the enrichment and enhancement activities without your support – thank you!

Ambassadors' Recognition Certificates

We would like to send certificates to our STEM Ambassadors for participating in a STEM activity with schools. Please ensure that we are up-to-date with all your activities/projects you have undertaken to help and inspire students from ages of 5-19 in the last 12 months. This includes all future/past STEM activities through us or organised outside STEMNET over the past academic year. Log on to your STEM Ambassador profile <https://db.stemnet.org.uk/login>, using your email address and the password you selected when signing up with the Programme OR send us an email with the following information and we can update your profile.

1. What was the activity that you took part in?
2. Please briefly describe your role for the day
3. Approximately how old were the pupils/students and how many attended?
4. What was the date of your activity or the month it took place in?
5. What was the name of the school involved in your activity?

STEM Networking

We have 271 STEM Ambassadors who share their experiences with other Ambassadors and schools by uploading a blog post to STEMNetworking. Why not get involved?

We'd love to hear more about your STEM Ambassador activities
<http://networking.stemnet.org.uk/>

STEMNetworking is a great way to share your experiences with other Ambassadors! There are also lots of ideas to support your STEM Ambassador activities on the STEMNetworking <http://stemnet.org.uk/resources/ambassador-resource-bank> Resource Bank including some exciting new resources produced by ARKive education (www.arkive.org/education/resources) as part of World Teachers' Day.

Ambassadors Update - December 2011

Volunteering Opportunities

STEM Ambassadors required to support for STEM Challenge 9

We are looking for volunteer STEM Ambassadors to help with supporting schools participating the challenge and with the final judging sessions. Brain Dury and Kim Brady judged STEM challenge 8 and we are delighted to announce that team Whitstable from Whitstable Community College will be in National Finals in January in London.

STEM Challenge 9 - The Paralympic Torch Relay Challenge

STEMNET and The Paralympic Torch Relay Team – who aim to re-energise the nation after the Olympic Games and build excitement across the UK in the run up to the Paralympic Games, are challenging 11-14 year olds to create a spark which lights the Paralympic Flame through the energy of human endeavour. For more information: www.stemchallenges.net/ This is your chance to work with a school to support them in their preparation for the challenge or to become a judge and meet pupils face-to-face and hear, first-hand, how they have tackled a challenge that was been inspired by London 2012. Either way you will meet young people who are enthusiastic about the Games and the associated Science, Technology, Engineering and Mathematics skills. This will hopefully be a very popular challenge and it would be wonderful if we could place an ambassador with each team who take part. Please contact Tsigie if you could help.

National Science & Engineering Week: 9 – 18 March 2012

This popular event this year explores "our world in motion". National Science & Engineering Week shines the spotlight each March on how the sciences and engineering relate to our everyday lives and helps to inspire the next generation of scientists with fun and participative activities. A lot of schools will be taking part in different activities. For more information: www.britishecienceassociation.org/nsew Kent & Medway STEM also will be running a material challenge, please contact us if you would be able to support schools during that time.

Science Council

Scientists Needed to Reveal Hidden Science

The Science Council is working with a major mobile phone company on a mobile phone app entitled 'Hidden Science', which is enabling people to have their burning science questions answered directly by scientists.

The app invites questions related to 12 monthly themes including Water, Medical Science, Fashion & Textiles, Travel & Tourism, Sport, Food, Imagining Different Tomorrows, Disaster, Space, Earth Science, Wealth & Luxury, and Computers & IT.

All questions and answers are posted on the Future Morph website (www.futuremorph.org/hiddenscience) where we are giving it a careers information twist by showing the jobs of those answering and we will be developing supporting materials for each topic.

We are hoping to get a mixture of factual (How much water does the average household use?) and careers-based (Where can I study marine biology?) questions for each theme and you can sign up to any or all of the themes and answer questions via the online interface.

If you're interested in taking part and helping to reveal the hidden science of the world around us to young people, please email Holly (H.Margerison@sciencecouncil.org) stating your name, contact details and the themes you're interested in and let us know about it as well.

I'm an Engineer, Get me out of here!

This is an award-winning engineering activity, funded by RAEng. It takes place online (so you can take part from your desk!) over a two week period in March 2012. It's an X Factor-style competition for engineers, where students are the judges. The event gets teenagers talking to real engineers online, and learning about engineering. They are currently looking for Engineers to participate in this event from all different areas of engineering.

More information about the event and how to sign up can be found at <http://imanengineer.org.uk/engineers/engineers-the-event>

If you decide to register, please can you let us know at ambassadors@canterbury.ac.uk

Opportunities for Ambassadors

When?	Where?	What?	Details?
12/01/2012 (6:30 - 9:00pm)	Wilmington Grammar School for Boys	Career talk	Option Evening - to talk 1-2-1 with students and their parents or to run stands or give careers talks to showcases STEM careers and industries to students
19/01/2012	King Ethelbert School	IET Faraday Challenge	The Faraday Challenge Days are one day activities, designed for six teams of six students aged 12-13 years, delivered by the IET. Ambassadors to support students along with IET members
24/01/2012 (am and pm)	Hartsdown Technology College	Mock Interview	Mock Interview and Feedback (Questions will be given before the event)
25/01/2012 (12.00- 5.00)	Dartford Grammar School for Boys	Science Careers Fair	1:1 speed dating with ambassadors 45 minute workshops with individual classes 25 minute presentations from speakers.
02/02/2012 (12.30-1.30)	Rainham Mark Grammar School	Career Talks	The activity will be stands set-up for pupils to discuss certain career paths within the STEM spectrum
21/02/2012	Hartsdown Technology College	Different STEM Careers show and talks - Jobs today	The aim of the day is for students to go carousel around different employers/people that will be talking about different careers. The talks will be about 20 minutes
23/02/2012	Sandwich Technology College	Mock Interview	Mock Interview and Feedback (Questions will be given before the event)
29/02/2012	Tunbridge Wells Grammar School for Boys	IET Faraday Challenge	The Faraday Challenge Days are one day activities, designed for six teams of six students aged 12-13 years, delivered by the IET. Ambassadors to support students along with IET members
09/02/2012	Longfield academy	Careers talk (speed career activity)	Speed-dating type of exercise
12/03/2012	The Community College Whitstable	STIXX Challenge	Make a product with STIXX machine to sell on the market as part of Business module
14/03/2012	Dartford Technology College	Raise aspirations and understanding of science careers	Speed-dating type of exercise
26/03/2012	Chaucer Technology College	Problem solving activity and construction challenges	Ambassadors from engineering background and construction