

Welcome to the STEM Ambassador news APRIL 2016

What's coming up? APRIL

- 7 World Health day
- 22 International mother earth day
- 28 West Midlands EES Celebration Day*
Cranmore Park,
Solihull

MAY

- 3 World asthma day
- 14 World fair Trade day
- 15 British sandwich week
- 26 Take our sons & daughters to work day

JUNE

- 4 Butterfly education day
- 5 World environment day
- 13-17 Healthy eating week
- 23 Big Bang Fair West Midlands* Coventry
- 23 National Women in Engineering Day*
- 25 National insect day
- 30 Big Bang Fair East Midlands* Derby

Are you new to the role of STEM ambassador?

Take a look at the new series of STEM Ambassador videos! Seven STEM Ambassadors from around the country talk about how they have developed and delivered activities – from first delivery to well-practiced activities. This is your chance to see the activities delivered in the classroom and to learn from the things that have gone well

To take a look go to
<http://training.stemnet.org.uk/support/videos/>



Activity and Project Ideas

If you are struggling with thinking of ideas for activities to work with young people in schools don't forget the STEMNET resource bank is there for you.

Use the link [here](#) to search for activities to deliver topics ranging from electro fashion to the science of bread making!

Don't forget you can log on to the STEMNET website any time to get hints and tips for working in schools too at
<https://db.stemnet.org.uk/information/ambassador>

STEM ambassadors get involved in Blast Off Week at Ellison primary School.



If you are a new STEM Ambassador and are interested in doing an activity but a little unsure, let us know and come along to support a member of the STEM team delivering activities in schools.

STEM Ambassadors Steven Pockett and John Webb had great fun helping launch Rockets in Ellison Primary School during their STEM week in February.

During their STEM week the children undertook many STEM activities and were assisted by STEM ambassadors. Steven and John took part in the Rockets Away and Rocket Car activities during the week and assisted teachers and children with the design, build and eventual launch of the children's manufactured rockets and rocket cars. Making Rockets and Rocket Cars captured the attention of the children who were fully engaged in their learning without realising that they are actually discovering science principles, using technology to record, engineering their own product and mathematically calculating the success of their design.



Calling volunteer judges for the Tomorrow's Engineers EEP Robotics Challenge Regional competition using LEGO MINDSTORMS EV3.

10 teams from different local secondary schools are keen to show off their pre-built and pre-programmed robot models to judges and become champions through to the National Final. The challenge is to complete a series of space missions in a limited time frame, present robot designs and programming solutions, present space related research and solutions, as well as take part in a teamwork challenge set on the day.

Where : RAF Museum Cosford, Lyssander Ave, Cosford, Shifnal, Shropshire
TF11 8UP

When: Wednesday 15 June 2016

Calling volunteer judges for the Tomorrow's Engineers EEP Robotics Challenge National Final competition using LEGO MINDSTORMS EV3.

20 regional winning teams from UK secondary schools are keen to become National champions, showing off their pre-built and pre-programmed robot models to judges. The challenge is to show their skills by completing a series of space missions in a limited time frame, present robot designs and programming solutions, present space related research and solutions, as well as take part in a teamwork challenge set on the day. This is the National Final, help us make it worth the effort!

Where: Ricoh Arena, Phoenix Way, Coventry CV6 6GE at the Big Bang Near Me event

When: Thursday 23 June 2016

General Information

Timing: 9am start – 3pm finish

Lunch and refreshments: provided to judges

Dress code: Smart casual

Skills and interests matching: Robotics, automation, electronics, technology, programming, software, science, research, project management, space, STEM

Places required: 14

For more information about the challenge go to

tomorrowsengineers.org.uk/Robotics

or contact: Erika Smallridge at esmallridge@engineeringuk.com before the 9th May 2016

More opportunities to Volunteer!

Look out for the latest opportunities to volunteer in the bi-monthly STEM Ambassador Opportunities bulletin.

Don't Forget to tell us!

Please email us to keep us informed of any activities you have been involved in over the last 6 months and any you are planning.

Email Rachel.comber@entrust-ed.co.uk

For more information use the link [here](#)
or call **01785 895400**

Are you ready to set the next STEM Club challenge for 2016-17?

Are you passionate about your job and keen to share your experiences and knowledge with young people to help them become the STEM professionals of the future?

Can you design a STEM club challenge or competition for young people get involved in through a STEM club to enlighten and motivate them in an aspect of STEM linked to your role or the function of the company you work for?

If you a group of STEM ambassadors working in the same company, we would love to hear from you to discuss your ideas to engage young people with a challenge or competition to run in the next academic year starting in September.

The benefits for the company include:

developing links with local schools, staff and young people, finding out what's happening in the world of education, and helping with recruitment of employees of the future.

For more information or to discuss further please contact

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