

## STEM news OCTOBER 2015



### Royal Society of Chemistry Grants

The Local branches of the Royal Society of Chemistry are offering grants of up to £50 to carry out practical chemistry in school. To find out more and apply just email the Education Coordinator [Selina](#). It's as easy as that!

You could take part in this years global experiment 'The Art of Crystallisation' or choose from the 100s of experiments on the Learn Chemistry website.

For more information use the link [here](#).



### Getting Girls in to Engineering

WES (Women's Engineering Society) have launched a new initiative Sparxx

The initiative is aimed at girls aged 11 to 18. The aim of the project is to provide ongoing support to girls who show an interest in CRESTA (Creativity, Engineering, Science, Technology, and Art) by providing a targeted stream of communication through Twitter, Pinterest, Facebook, Instagram, and newsletters)

For more information use the link [here](#)



### BBC Micro:bit

The BBC has unveiled the BBC Micro:bit a pocket – sized codeable computer with motion detection, a built in compass and Bluetooth technology. Every pupil in Y7 or equivalent across the UK will be given one FREE of charge. Make sure that you register your school by using the link to the website [here](#).

To find out more the IET will be running a workshop at the Entrust Learning technologies conference on the 19<sup>th</sup> November at Yarnfield Park, Stone. For more information use the link [here](#).



### Talent 2030

The 2015-16 competition sponsored by Rolls-Royce, EDF Energy and PepsiCo is now open! Talent 2030 is a FREE national engineering competition for girls offering them the chance to win £500 for themselves and £500 for their school.

The competition invites girls to solve the major challenges of the 21<sup>st</sup> century, to get creative, get thinking and most of all have fun!

For more information use the link [here](#)



### The Robogals Challenge

Robogals is a student-run organisation that aims to increase female participation in engineering, science and technology.

The challenge is a nationwide competition for girls with a focus on STEM activities. By conducting experiments with a parent, teacher, or other mentor, Robogals aims to give girls aged 5 to 14 an insight into the exciting and varied world of engineering. Over five months, participants submit their entries in the form of photos, videos, and writing. Participants are eligible to enter individually or in teams of 2, and must be accompanied by a mentor who is 18 or over.

For more information use the link [here](#).



### Water Explorer

A fun, inspiring and educational programme that is fully funded. The aim is to empower thousands of students across the world to lead joint action on water issues for their schools and communities.

Water Explorer supports 8 -14 year olds on a student-led mission to rescue our wonderful world. Water Explorers consists of a series of activities and support for pupils providing a real life context for pupils to work scientifically developing scientific attitudes, experimental skills including analysis and evaluation

To find out more and how to get started use the link [here](#)



### Pumpkins Against Poverty

Find out about Practical actions latest resource for Key Stage 2 pupils (aged 7-11 years).

It offers great cross curricular opportunities for pupils to explore the difference that growing pumpkins can make to the lives of people living in flood affected regions in Bangladesh.

The materials include:

- Science investigations on pumpkin lifecycle and seed germination
- Design and technology activities based on making seed packets

All the materials, presentation, teacher's notes, pupil activity sheets, a poster and links to images are FREE. For more information use the link [here](#)



### Robotics Challenge

You are invited to get involved in 'space missions' taking on a robotics challenge

Students will experience teamwork, robots, design, discovery, fun and loads of LEGO - all part of the mix, as are real-world challenges, teacher support and some great prizes. It's a curriculum-linked programme that gets your students (11-14s) working in teams to solve real-world engineering, technology and computing challenges including how to build, program and control autonomous LEGO robots to complete a series of space missions using LEGO® MINDSTORMS®

To find out more use the link [here](#)



## The Worshipful Company of Glass sellers of London

### Moving Science Workshops

Give your students a very different science lesson, packed full of creativity, games, energy and lots of fun, with a Flux workshop.

Dance and Movement have a unique role to play in the curriculum as an art form which combines physical exercise with imagination and creativity encouraging pupil engagement in wider learning.

Workshops are an effective means of addressing obesity and other “healthy school” initiatives whilst simultaneously engaging students in STEM.

Flux offer a series of ‘Moving Science’ workshops which can be delivered in lessons, STEM Clubs and other after-school activities.

For further information use the link [here](#)

### STEM club Funding

The organisation’s charitable arm issue grants of up to £1000 for STEM mini projects

Your project needs to focus on the technological uses of glass.

There is no submission deadline so applications can be made at any time .

For further information use the link [here](#)

To make an application contact the Secretary by emailing [charity@glass-sellers.co.uk](mailto:charity@glass-sellers.co.uk)



### Entrust STEM What we do!

Bringing inspiration, knowledge and practical support to the classroom

The Entrust STEM is a non profit organisation delivering enrichment and enhancement activities for Primary, Secondary and Post 16 Education.

We design and deliver engaging activities to inspire and motivate young people in Science, Technology, Engineering, and Maths (STEM). Working closely with Teachers, Ambassadors, Employers and Strategic Partners, we aim to transform the STEM learning experience of students and teachers alike.

For more information use the link [here](#)

or call 01785 895400