

An update from the EBeBP

Here we all are, back in school for the new academic year. The summer has been a busy one, with two Family Learning Events and meetings with the Royal Society and the Royal Institution, details of which you will find in the following pages. Coming up we have the BAA Terminal 5 Construction Challenge and other exciting projects in development. As ever, if you are interested in running an curriculum enrichment event or family learning event at your school then please don't hesitate to contact us for an informal chat.

We hope you enjoy the following stories about some of the things we have been doing in the Summer Term and new opportunities for this year. These opportunities are either exclusively for EBP Primary members or for their first refusal, so make sure you don't forget to sign up for this academic year's primary schools' membership programme!

The Pines STEM Week

In June of this year the EBeBP was invited to coordinate a week-long STEM (Science, Technology, Engineering and Maths) festival for The Pines School in Bracknell. Funded by the Institution of Engineering and Technology, the pupils of The Pines took part in a variety of workshops such as Hand-Hygiene by the Royal Society of Chemistry, Control Technology from LEGO®, Floating Bridges by The Royal Institution, Welding with Chocolate from The Welding Institute, the Science of Ice-Cream from Royal Holloway University London, Bio-Diversity Walks with Kew Gardens, Scientific Exploration by Eton College and many more. As well as being excited by hands-on science and technology, the older pupils had the opportunity to interview professionals who work in STEM fields as to how they use the different subjects in their jobs and what inspires them.

The week was a resounding success and the visitors were impressed with the enthusiasm and engagement of the children in the activities. Our particular thanks go to all those professionals who supported the week and to the staff and children at The Pines School.

We are currently looking for other funding opportunities to hold similar events at other schools. If you are interested in being one of these schools please contact Lucy Yeomans on 01753 502295 or email l.yeomans@eastberksebp.org.uk.



Children at The Pines School get to grips with welding box girders together using chocolate!

BAA Primary Engineering Challenge

BAA Heathrow

Every year the East Berkshire EBP coordinates a free engineering challenge with BAA Heathrow and other, surrounding EBPs. This year's will be held in September and October. Teachers will get the opportunity to participate in a training day before having BAA Engineers visit their school to complete the challenge. This year's places have already been allocated – to make sure your school doesn't miss out next year make sure you sign up for EBP membership!

Bespoke Science Days

Being a member of EBeBP means schools can commission bespoke science workshops related to any topics currently being taught. If your school would like to have a specialised science day perhaps as part of your science week or for your Gifted and Talented club then contact Lucy Yeomans on 01753 502384 or email l.yeomans@eastberksebp.org.uk. Prices are determined on a case-by-case basis.

EBeBP in the future

August has brought some time for evaluation and looking to the future for new opportunities.

Following successful initial meetings with both the Royal Society and Royal Institution we are now looking to collaborate on projects together that involve our member schools. Keep an eye out for emails on the subject and of course, if you have any ideas of projects you would like to develop please don't hesitate to contact us.

For more information on both the Royal Society and Royal Institution visit their websites at www.royalsociety.org and www.rigb.org respectively.



THE ROYAL SOCIETY



The Royal Institution of Great Britain

Science and Maths CPD using theatre and dance

Certain aspects of the science and maths curriculum can be difficult or dry to teach. The EBeBP, in collaboration with Troublemaker Theatre Company are offering a different teaching approach through drama and movement. Teachers will have the opportunity to learn some new and accessible activities to help them excite pupils about more difficult topics, plus to work through with other teachers issues or barriers you may have come across in the subjects.

For more information please contact Lucy Yeomans on 01753 502295 or email l.yeomans@eastberksebp.org.uk

Family Learning Events

Since our April Newsletter we have held 3 successful Family Learning Events on completely different themes. In June, Trevelyan Middle School played host to Driving Forces and Speed Machines, an FLE that focussed on the science and engineering of cars. We were very lucky to have a representative of the Bloodhound SSC team run a hands-on workshop about their world-record attempt at building a car to go over 1000mph.

During the summer holidays we had our biggest event yet, Circus Skills and Science Thrills, where families learnt the art of clowning, juggling and poi whilst scientists explained the scientific and mathematical principles behind each skill. Much fun was to be had, particularly with the custard-pie fight at the end!



Families learn the scientific principles of poi at Science Thrills and Circus Skills

In August families were invited to Eton College's own Natural History Museum where they discovered all about Joseph Banks; Botanist, Explorer and former pupil at Eton. Families solved puzzles using the original artefacts to be found in the museum, and learnt and used some of the more creative techniques used by Banks' artists to capture specimens they found. Many thanks to Eton College and the Clewer Cluster in RBWM for another great event.



The Royal Institution of Great Britain

Maths Masterclasses

Do you have a maths club or are you looking for opportunities for maths CPD? The Royal Institution of Great Britain offers Maths Masterclasses for primary and secondary schools which can combine both elements for clusters of schools.

If your school is interested in being part of a cluster of schools for this opportunity then contact Lucy Yeomans on 01753 502295 or email l.yeomans@eastberksebp.org.uk.

