Keeping the Awe and Wonder!
Annual Primary Science and Technology Conference

With TV personality Steve Mould, comedian and resident presenter on BBC Television's 'Britain's Brightest' and 'Blue Peter'

Friday 7 June 2013, 9:15am – 3:30pm
The Woodlands Conference Centre, Chorley

SCI301a
Keeping the Awe and Wonder!
Annual Primary Science and Technology Conference

What are the aims of this conference?

- To provide Science subject leaders with national and local updates regarding Science teaching in primary schools.
- To provide ideas and inspiration to develop the teaching and learning of Science across the primary phase.

This conference aims to bring together a variety of professionals from the world of Science and ICT to share their expertise in teaching and learning. With national speakers, a choice of practical workshops and a variety of exhibition stands, the day aims to provide a wealth of ideas for use in the classroom.

Conference Programme

8.30am    Refreshments and registration
9.00am    Welcome and Introductions
9.15am    Keynote Presentation – Steve Mould
10.40am  Coffee and Refreshments
11.00am  Workshop One
12:10pm  Lunch
1.10pm    Workshop Two
2.20pm    Coffee and Refreshments
2.30pm    Workshop Three
3.45pm    Conference Closes

Keynote Presentation

Steve Mould - Scientist, comedian and resident presenter on BBCs ‘Britain’s Brightest’ and ‘Blue Peter’

Steve is an expert in making Science and physics engaging and entertaining. He is involved in Science shows and festivals around the UK and has appeared on stage alongside Brian Cox, Dara O’Briain, and Robert Winston.

As well as his appearances on television, Steve has presented a series of films for The European Space Agency. He has a variety of Science based shows which incorporate experiments and demonstrations such as moving flames with sound, turning cornstarch into monsters, and sending a Mexican wave around the room using the power of interference.

Come and be inspired and entertained by him and take the enthusiasm for Science back to your school!
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Workshops
Workshop places are limited so please ensure you make your selection at the time of booking to avoid disappointment.

1. Is there anyone out there?
Sue Andrews, CIEC, Independent Science Consultant
Practical, exciting activities for primary children set in the context of a mission to Mars seeking to find evidence of life. Links to National Curriculum for Science, Maths, Geography, ICT and Literacy.

Join us on a mission to Mars! An exciting opportunity to discover how using the context of a real space mission as a stimulus for practical Science activities can help your pupils to develop their scientific skills.

2. Bekuse you hat to yous your amagenashon! Dramatic Science for Key Stage 1
Debbie McGregor, Professor in Education, Oxford Brookes University and Wendy Precious, Primary Science Adviser, Staffordshire Local Authority
This active workshop will explain the key features of the tried and tested dramatic Science approach. The activities are designed to be used for 5-7 year olds or KS1 children. Participants will be able to try out their techniques and reflect on their usefulness in the classroom. A practical, hands-on, minds-on session.

3. Just imagine! Dramatic Science for Key Stage 2
Debbie McGregor, Professor in Education, Oxford Brookes University and Wendy Precious, Primary Science Adviser, Staffordshire Local Authority
This active workshop will explain the key features of the tried and tested dramatic Science approach. The activities are designed to be used for 8-11 year old or KS2 children. Participants will be able to try out their techniques and reflect on their usefulness in the classroom. A practical, hands-on, minds-on session.

4. The effective use of iPads in Science Lessons
Rob Musker, Teaching and Learning Consultant for Information, Communication Technology
Mobile devices such as the iPad can provide many different teaching and learning opportunities in primary schools. Recording sound, taking photographs and making movies are activities easily accomplished on an iPad. The availability of good quality apps for Primary Science Education make this device a valuable asset. This session will look at how we can make best use of the iPad in Primary Science including how it can be used:

- to encourage pupil collaboration and peer review
- for capturing and analysing data
- for supporting Literacy in Science
- for recording experiments
- for presenting findings and conclusions.

This session will provide relevant practical ideas to use in the classroom. There will be iPads for delegates to use during the session.
5. The Science of Sounds
Denis Howlett, Senior Lecturer, University of Cumbria

Sound is a part of our world even before we are born, and it continues to play a significant role throughout the rest of our lives. This practical workshop will provide us with the opportunity to explore the topic of Sound with a view to understanding the subject and how it might be taught.

In particular we will consider how the use of a planning framework will help us present a coherent view of the topic, how choosing the right ‘activity’ can help lead children to a better understanding of the subject, and how assessment is a natural part of both the planning and the teaching.

6. Using the 'new' generation of LEGO in the Primary Classroom

Come along to this workshop to discover a 'new' generation of LEGO that empowers students of all abilities to creatively communicate their thoughts and feelings. Pupils can be tasked with building models that illustrate their understanding of various curriculum concepts (incl. Science) and then asked to talk about their thoughts, ideas and understanding.

There are no ‘fixed’ outcomes to purge creativity. This concept can then be continued using further Lego based activities ideas that can be used to develop critical thinking, problem solving and simple programming.

Technology Exhibition

Delegates at the conference will also be able to browse stands at our annual Technology Exhibition that will take place on the same day. Education suppliers will be showing a broad range of resources for schools and it will be an ideal opportunity to find out about equipment that you may be considering in the future. This year we will have a focus on mobile/portable technologies.

Science Exhibitors will also have a presence during the event providing an opportunity to view Science specific resources first hand.

Workshop Choices

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<th>1st Choice</th>
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<th>3rd Choice</th>
<th>4th Choice</th>
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<th>6th Choice</th>
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Please list all workshops in your order of preference on the application form or in the special requirements field on the online application. Delegates will attend three workshops on the day.

Who should attend this conference?
Teachers and Subject Leaders

When and where is this conference?
Friday 7 June 2013, 9:00am – 3.45pm
Woodlands Conference Centre, Chorley

Activity Reference Fee
SCI301a £175.00

How to book
To reserve a place click here, call the team on 01257 516100 or book online at: www.lancashire.gov.uk/lpds

You can visit our website www.lancashire.gov.uk/lpds by using your smartphone to scan this code.