Regional Primary Courses

Autumn 2008 - Summer 2009

"A brilliant day! Refreshing and exciting – can’t wait to take back to school!"

Fleckney CofE Primary, Leicester
LogIT Datalogging in Primary Science

- Wednesday 5 November 2008, University of Nottingham
  Morning session: 10am-1pm OR Afternoon session: 1pm-4pm

These new and exciting sessions will be run by Julies Davies and Jan Hollywood from Timstar. Delegates can choose to attend either a morning or afternoon session (lunch is included for both).

The aim of the session is to allow delegates to become aware of the opportunities of using the LogIT “Explorer” Primary Datalogger within the primary classroom. A range of quick and easy experiments will be explored, including:

- Does white sand get hotter than black sand?
- Does a hot drink keep warmer in a plastic, polystyrene or a paper cup?
- Do we lose more heat from our head than our arms?
- Which materials keep our bodies warm?
- Why do we use loft insulation?

There will also be the opportunity to use the sound, light, temperature and heat detector sensors to initiate further classroom discussion on a range of environmental issues.

In addition, Timstar will offer a discount voucher to all delegates for any LogIT purchases.

Science is Magical!

- Monday 10 November 2008, 10am-4pm, University of Leicester

This new exciting course designed and led by Gaynor Weavers, will provide lots of ideas to effectively teach the important concepts of science in exciting and intriguing ways. Aimed at colleagues teaching the Foundation Stage, the day will explore the ‘magic’ of plants, animals, the 5 senses, materials, light, sound and magnetism.

During practical science activities, children observe closely, discuss and compare their findings with others and try to explain what has happened. Science can therefore provide young children with opportunities to develop their social, physical and intellectual skills in exciting ways.

The course will provide delegates with a whole range of magical activities to catch children's attention give a ‘wow’ to lessons and enable pupils to learn effectively with huge enjoyment.

Raising attainment - Getting Prepared for SATs

- Wednesday 3 December 2008, 10am-4pm, University of Leicester

This new course suitable for year 5 and 6 teachers as well as science co-ordinators, is being run at the beginning of the school year in order to offer schools the opportunity to re-think their preparation for science SATs. The one day course, designed and led by Rosemary Feasey, will offer a wide range of creative approaches towards reviewing and revising children’s knowledge and understanding across areas of learning including Scientific Enquiry. Delegates will receive a range of materials and activities to take away with them which will be of immediate use in their schools.

How to Book

All our courses are available on a first come, first served basis. The fee for a whole day course covers a buffet lunch and refreshments throughout the day plus all course materials. To make a booking either:

1 telephone us on 0116 252 3771; or
2 complete and return the form on the rear of the booklet
Active Thinking in Primary Science

- Thursday 29 January 2009, 10am-4pm, University of Leicester

Recent research shows the importance of nurturing pupils so that they develop into thinking individuals with positive attitudes to learning. This new course focuses on ways to improve both teachers’ and pupils’ thinking in primary science lessons.

The one-day course designed and led by Gaynor Weavers, will ask fundamental questions such as:

- Does the way adults learn affect the way we teach pupils in our care?
- Do all pupils learn in the same way?
- Can we help pupils to learn more quickly and more effectively?

Pupils’ early learning experiences are key to their attainment later in life. The day, suitable for those delegates teaching science at Key Stages 1 and 2, aims to demystify the process of thinking and learning as well as allowing delegates to find out the sort of learner they are. In addition the day will help develop an understanding of how we all can become better learners and therefore, better teachers.

Delegates will also explore the different ways in which we learn and discover how to incorporate many elements of good practice in this field. The day will encourage delegates to have ‘activity’ at the heart of all their science lessons; applying the principle that ‘if a task doesn’t make a pupils think, find another task.’

Beware! These Chemicals May Bite!
A KS2 to KS3 Science Bridging Unit

- Tuesday 10 February 2009, 10am-4pm, University of Leicester

This new and exciting collaboration between the Science learning Centre East Midlands and Northamptonshire County Council’s NIAS Science Team has been developed from a unit of work trialed across schools in Northamptonshire.

The aim of the day is to encourage liaison between secondary schools and their feeder schools. The best practice is where this relationship is maintained throughout the year and when opportunities exist for staff to visit each others’ schools in order to gain a greater understanding of the work in both phases. It is hoped that colleagues from both phases will attend together in order to get the best from the day.

The day will be based on a unit of work designed to be completed in approximately 9 hours, split between KS2 and KS3, covering the QCA scheme of work titled ‘Unit 7E Acids & Alkalis.’ Delegates will have the opportunity to carry out a range of fun and stimulating activities and then plan, with colleagues, how to implement the unit within their own schools.

In addition the day will:

- Increase the awareness of delegates of the science curriculum at KS2 and KS3
- Provide a stimulating and engaging introduction to secondary science through a topic not addressed in the KS2 POS
- Encourage a variety of teaching & learning styles

All delegates will receive a pack of materials to support the day including a CD Rom containing a scheme of work adapted from the QCA Schemes for KS2 & KS3 for use with Year 6 which can then be continued by the same children in Year 7.
Science on a Shoestring!

- **Tuesday 24 February 2009, 10am-4pm, University of Leicester**

This new and exciting day designed and led by George Forster will provide ideas for primary science using easily obtainable and cost effective resources. A range of hands-on activities will be covered such as:

- Hot air balloon from plastic bags
- Strength of tissues
- Stickiness of earwax
- The science of popcorn
- The straw jet and lots more!

Many of the activities have curriculum links and others will be of use for enrichment and extension work with pupils.

In addition to the hands-on activities the science behind them will be discussed and explained. Delegates will also receive a resource book of photocopyable activities to take back away with them.

Using ICT to Support & Enhance Science Teaching in KS1/KS2

- **Friday 27 February 2009, 10am-4pm, University of Leicester**

An innovative day dedicated to the role that ICT can play in the teaching and learning of science at Key Stages 1 & 2.

Led by Doug Dickinson and supported by Stephen Rice the day will cover how science can be enhanced by ICT and be illustrated by an exciting range of activities including:

- Using interactive whiteboards & whole class pedagogy
- Datahandling linked to SATs requirements
- Using internet resources creatively in science
- Datalogging
- Effectively using ELCS
- Opportunities to explore new equipment such as digital cameras & electronic microscopes

In addition, all delegates will receive the necessary support throughout the day to prepare and take away relevant material which will be of immediate use when teaching science topics back in school.

“All [expectations] well achieved – lots of ideas buzzing round my head, keen to go home and look again at these new ideas.”

Badgerbrook Primary School, Leicestershire
Confidence in Running Investigative Science Activities for Whole Classes

- Thursday 5 March 2009, 10am-4pm, University of Leicester

The aim of this new and exciting course designed by Sarah Langford is for delegates to gain confidence running investigative workshops with classes. This unique and innovative course consists of one day exploring what makes a good investigation and will be **followed up with half a day in each school** running a workshop with a class!

The one day course will explore investigative activities for KS1 and KS2 from Sphere Science's workshop programme. Topics covered will include forces, electrical circuits and simple chemistry.

The half a day session in school will be conducted by Sarah and the teacher. They will run an investigative science activity with a class using the skills and ideas from the one day course.

Building Blogs to Support Work in Primary Science

- Friday 22 May 2009, 10am-4pm, University of Leicester

In this new and exciting whole day session delegates will learn about building a blog to support the preparation of resources and communications in primary science.

Led by Doug Dickinson, the day will begin with the basics; how to get started on building a blog and how to share it. This will be followed by a session where delegates will have the opportunity to prepare a resource set for use in classrooms related to a specific objective, project or even a term!

At the end of the session all blogs will be collated into a master for sharing within the community.

Gifted and Talented in Science Across the Primary Years

- Thursday 4 June 2009, 10am-4pm, University of Leicester

Has your school identified those pupils who are gifted and talented in science? Do you have a programme to meet their needs and are your teachers offering creative activities to challenge those children who are very able or exceptional in science?

In this course, Rosemary Feasey will help you to do these things and more, including developing a range of approaches and strategies to develop higher order thinking and offer enrichment and enhancement activities in science. Delegates will go away with tools for identifying and working with gifted and talented pupils in science and a range of activities to use with more able children.
It’s Alive!

• Tuesday 9 June 2009, 10am-4pm, University of Leicester

The world of plants and animals is an area of science that fascinates all children. Young pupils often have difficulty in understanding what is living, what is not alive and even what we call a plant!

Gaynor Weavers will provide delegates with a variety of interesting and effective activities to engage Key Stage 1 pupils while helping them learn about the living world.

Stories and nursery rhymes will also be used as starting points to explore animals and to extend language. Delegates will create dioramas of animal habitats and also be shown how the outdoor environment can be used to develop pupils’ knowledge and respect for the world around them.

As the course will take place outside for part of the day, it would be advisable to bring wet weather footwear and clothing.

Other courses being offered through the central Science Learning Centre course booklet (please go to www.slcs.ac.uk or call 0116 252 3771 to book):

Supporting Primary Science (For Teaching Assistants): Starting Out
Led by Rosemary Feasey, 29/09/08 in Coalville

Essential Enquiry
Led by Jane Johnston, 13/11/08 in Leicester

Science & Creativity at the Heart of the Revised Frameworks
Led by Rosemary Feasey, 21/11/08 in Leicester

Developing the Role of the Science Subject Leader
Led by Rosemary Feasey, 27/11/08, 14/01/09 (1/2 day), 11/03/09 (1/2 day) in Leicester

Developing Science Investigative Work at KS1 & KS2
Led by Richard Barnett, 02/12/08 (1/2 day) in Leicester

Science & Stories: Using Stories to Support Learning at KS1
Led by Rosemary Feasey, 20/01/09 in Leicester

Enriching the Primary Curriculum through Science Inside & Outside the Classroom
Led by Ling Chew & Jodie Cole, 23/01/09 in Leicester

Supporting Primary Science (For Teaching Assistants): Moving On
Led by Rosemary Feasey, 06/02/09 in Coalville

Science – Assessment for Learning
Led by Jane Johnston, 10/03/09 in Lincoln

Smart Science – Activating Personal Capabilities & Thinking Skills
Led by Richard Barnett, 24/03/09 in Leicester

ICT in Science for Primary Teaching Assistants
Led by Doug Dickinson, 08/05/09 in Leicester

Scientific Play & Exploration in the Early Years & Foundation Stage
Led by Jane Johnston, 12/05/09 in Nottingham

Supporting Primary Science (For Teaching Assistants): Taking the Lead
Led by Rosemary Feasey, 20/05/09 in Coalville

Cross Curricular Science
Led by Jane Johnston, 09/06/09 in Lincoln

Self-evaluation and Changing Practice
Led by Rosemary Feasey, 11/06/09 in Leicester

Expert Witness for a Day
Led by Leonie Titley, 24/06/09 in Coalville
Teaching Primary Science

A Postgraduate Certificate Course for Primary and Special School teachers, 2008-2009

This practical and relevant course will provide you with the opportunity to deepen and broaden your knowledge, skills and understanding of science and science teaching.

Are you interested in developing your own understanding of scientific ideas?

Are you looking for ways to enhance your science lessons?

Are you keen to extend your personal skills in learning and research?

The course will cover issues such as:

• Extending understanding of forces, materials, electricity, Earth in space and environmental issues;
• Exploring how children learn science, and how research can help us understand their learning;
• Evaluating teaching strategies such as practical investigative work, cross curricular approaches and the use of ICT.

All taught sessions will take place at the University of Leicester School of Education, which is a short walk from the mainline railway station, and has parking nearby on Victoria Park.

You will have the opportunity to share ideas with colleagues from different local authorities, to use the excellent library and computer facilities, and the possibility of accreditation to give you 60 CATS points towards a Masters degree.

For more details please contact cpdinfo@le.ac.uk.

Want to book?

Please fill out the booking form. On receipt of your form we will confirm your booking and issue a pro forma invoice. Payment is required before the date of the course. We reserve the right to make a cancellation charge of £20 for any booking cancelled less than one week before the date of the course. The full fee is payable if you do not cancel your booking and do not attend the course. We also reserve the right to amend the course programmes where circumstances dictate.

If you need further information, please contact us on:

• Tel: 0116 252 3771
• Fax: 0116 252 5772
• E-mail: slicem@le.ac.uk
### Science Learning Centre Regional Primary Courses booking form

<table>
<thead>
<tr>
<th>Course title</th>
<th>Venue</th>
<th>Date(s)</th>
<th>Fee</th>
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<td>05/11/08</td>
<td>£25</td>
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<tr>
<td>Science is Magical!</td>
<td>Leicester</td>
<td>10/11/08</td>
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<tr>
<td>Confidence in Running Investigative Science Activities for Whole Classes</td>
<td>Leicester</td>
<td>05/03/09</td>
<td>£300</td>
<td>(includes 1/2 day in school)</td>
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Delegate name(s): ............................................................................................................................................
Delegate(s) email: ...........................................................................................................................................
School/College: ..............................................................................................................................................
Address: ...........................................................................................................................................................
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Postcode:...........................................................................................................................................................
Telephone: ......................................................................................................................................................
Date: .................................................................................................................................................................

**Please return to:**
Science Learning Centre East Midlands,
University of Leicester,
School of Education,
21 University Road
Leicester LE1 7RF.

The national network of Science Learning Centres is a joint initiative by the Department for Children, Schools and Families and the Wellcome Trust. Science Learning Centre East Midlands is run by the University of Leicester, with main satellite Centres at the University of Nottingham and Bishop Grosseteste University College Lincoln.

www.le.ac.uk/slcem