



Primary Courses

Issue 1 - Autumn 2007



"Exceeded in every way. Excellent day. Brilliant tutor. Thank you!"

St Charles' School, Leicestershire

ICT & Science for Primary Teaching Assistants

- **Science starts here**
Monday 15 October 2007, 10am-4pm, University of Leicester
- **Using internet resources**
Friday 9 November 2007, 10am-4pm, University of Leicester
- **ICT Tools – communicating**
Friday 18 January 2008, 10am-4pm, University of Leicester
- **ICT Tools – handling the data**
Friday 29 February 2008, 10am-4pm, University of Leicester
- **Connecting peripherals**
Monday 28 April 2008, 10am-4pm, University of Leicester
- **Developing resources**
Friday 16 May 2008, 10am-4pm, University of Leicester

This new six session course, running over the academic year, has been designed by [Doug Dickinson](#) to meet the growing needs of teaching assistants who support work in science using ICT. No prior knowledge or expertise is required to participate. Delegates can opt to attend individual days or the complete course in order to receive comprehensive coverage.

Each day will focus on building personal competence and confidence in using a wide variety of ICT tools available in modern primary classrooms; from computers to the devices connected to them. Each day will be led by Doug and [Stephen Rice](#), ICT Officer of the Science Learning Centre.

The sessions will be incremental, one building on the other throughout the year, so that delegates will gain a range of personal skills and a wide variety of knowledge.

The course will carry with it a commitment to use a course 'blog' to report activity as well as responding to questions. To add further value it is envisaged that delegates will keep a course/experience log as part of an ongoing record of experience. In addition time will be spent supporting individual needs and there will be the opportunity for personal practice to further develop skill and confidence.

Those completing the whole course will receive a certificate of competency.

Raising Attainment - Getting Preparing for SATs

- **Wednesday 17 October 2007, 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.



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

- **Investigating Materials**
Friday 2 November 2007, 10am-4pm, Bishop Grosseteste University College
- **Physical Processes**
Friday 1 February 2008, 10am-4pm, Bishop Grosseteste University College
- **Life & Living Processes**
Friday 25 April 2008, 10am-4pm, Bishop Grosseteste University College

An innovative series of courses dedicated to the role that ICT can play in the teaching and learning of science at Key Stages 1 & 2. Delegates can opt to participate in all 3 courses or concentrate on one specific area according to their needs. (Those participating in all 3 courses may also have the option of University accreditation.)

Led by **Doug Dickinson** and supported by **Stephen Rice** each 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 each 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

Raising Attainment and Tracking Pupils in Science at Key Stage 1 & 2

- **Monday 5 November 2007, 10am-4pm, University of Leicester**

This new course aims to inspire delegates to tackle assessment for learning and its impact on raising attainment and tracking pupils across the primary years. Developed by **Rosemary Feasey**, the course will focus on the key issues related to raising attainment from language in science to understanding the differences between levels as well as how to target learning from lesson to lesson. Ways in which children can be engaged in self assessment will also be covered. The course will include a range of practical strategies that can be applied across the school.



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. Additional discounts are available in some circumstances e.g. there will be a reduction of £20 if more than one delegate from the same school books on the same course. To make a booking either:

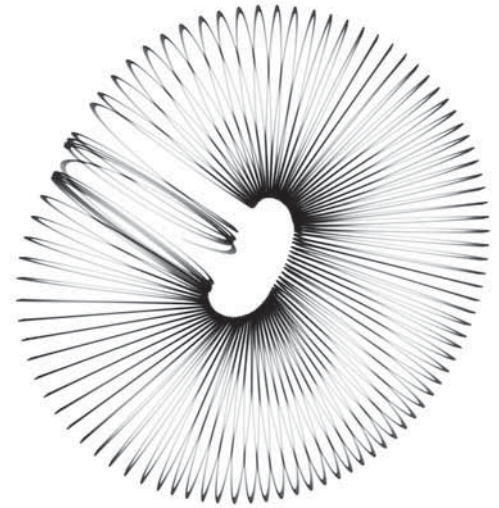
- 1 telephone us on 0116 252 3771; or
- 2 complete and return the form on the rear of the booklet

Engaging Children & Developing Thinking

- **Tuesday 6 November 2007, 10am-4pm, Bishop Grosseteste University College**

This new, exciting one-day course day involves two parts. The morning session involves the PUPPETS Project, supported by GlaxoSmithKline plc, and led by [Tanya Shields](#). The project uses puppets in science lessons to engage children and in doing so they think more, talk more and enjoy science more. The PUPPETS Project has transformed children's experience of science.

The afternoon session, led by [Jane Johnston](#) will provide delegates with opportunities to explore and evaluate problem solving and cognitive acceleration activities. It will look at how delegates can successfully differentiate and assess children in science supporting thinking skills in the process.



Confidence in Running Investigative Science Activities for Whole Classes

- **Thursday 22 November 2007, 10am-4pm, University of Nottingham**

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 day session in school will be conducted by Sarah and the delegate. Together they will run an investigative science activity with a class using the skills and ideas from the one day course.

Gifted and Talented in Science Across the Primary Years

- **Thursday 29 November 2007, 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 delegates 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.

Primary Science Leaders Course

- **Monday 3 December 2007, 10am-4pm, University of Leicester**
- **Tuesday 15 January 2008, 12.30pm-4pm, University of Leicester**
- **Thursday 13 March 2008, 12.30pm-4pm, University of Leicester**

This course is tailored to the needs of primary science leaders/co-ordinators, and will run over 1 full day and 2 half days across 2 terms. The course is equally relevant for established co-ordinators as well as those newly in the role. The course aims to develop delegates' understanding of the role, to share strategies for developing science across the school as well as managing staff. Led by [Rosemary Feasey](#), the course will include the subject leaders file, OFSTED, assessment, monitoring science and target setting as well as managing resources and running CPD in school. Delegates will have the opportunity to engage in two activities in their own school between each session. Come and join other science subject leaders and be inspired through a range of practical sessions to innovate in your own school!

Developing Science Investigative Work at Key Stages 1 & 2

- **Wednesday 5 December 2007, 1.00pm-4pm, Bishop Grosseteste University College**

This new, half day session for science co-ordinators and teachers of KS1 & 2, has been designed and will be led by [Richard Barnett](#). The aim of the session is to raise awareness of the types of practical work appropriate for primary science as well as considering how whole investigations can be successfully planned and managed within the primary classroom. The day will be equally relevant to those with little experience of investigative work as well as those who wish to revisit this area. Delegates will receive examples of investigations as well as resources to help them plan and support investigative work when back in school.



Primary Science for Teaching Assistants

- **Wednesday 16 January 2008, 10am-4pm, University of Leicester**

Teaching assistants are an integral and important human resource in primary science lessons. This hands-on course has been specifically designed for teaching assistants by [Rosemary Feasey](#) to help them support children in science lessons. The course will provide support across a range of issues from understanding the nature of primary science to effective questioning; managing and supporting practical work; understanding key equipment, eliciting and developing children's ideas in science as well as supporting the development of scientific language and communication in science. In addition, delegates will receive ideas and resources for teaching assistants to use with children in school.

Celebrating Science at KS1 and KS2: Science Clubs & Science Weeks!

- **Tuesday 22 January 2008, 10am-4pm, University of Nottingham**

This exciting course, first run in the Spring of 2007 in Leicester, will give plenty of advice and practical tips to all primary colleagues who wish to run a science club, science week or similar event in their school.

The day has been designed by the [British Association for the Advancement of Science](#) (the BA) with the support of our local SETPOINT. The day will focus on the support given by different organisations as well as providing ideas for themes, activities and potential presenters. Delegates will have the opportunity try some activities which can be included in their own events.

In addition there will be a session from local teachers who have extensive experience in developing science weeks and running science clubs. They will share their experiences and provide advice on the practicalities and realities of organising and running such events.

"A fun and very informative day – thank you."

Carnarvon Primary School, Nottinghamshire

Full or Subsidised fee?

All maintained or state funded primary schools can take advantage of our subsidised fees.

Stories & Poems in Science: Foundation through to Year 6

• **Monday 28 January 2008, 10am-4pm, University of Nottingham**

This fun, one-day course, led by [Rosemary Feasey](#), will be packed with great ideas for science from stories and poems. The aim of the course is to inspire delegates by showing the creative ways that stories and poems can be used as starting points as well as ways to support children writing their own poems. This is a cross curricular approach to science which shows how easy it is to change 'dull' science topics and activities into challenging and motivating ones. Throughout the day delegates will find out which stories can be used with different science topics: from plant growth to insulation, materials to adaptation for Foundation Stage to Year 6. They will also learn how to create 'Science Story Sacks' and make up their own stories as starting points.

Science on a Shoestring!

• **Thursday 28 February 2008, 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 photocopiable activities to take back away with them.

Assessment in Primary Science

• **Tuesday 11 March 2008, 10am-4pm, University of Nottingham**

Should assessment drive the curriculum or inform teaching and learning? This course will look at sensible assessment techniques to support children and teachers and make assessment an integral part of education. It will also address issues raised by delegates and attempt to find solutions. Led by [Jane Johnston](#) the day will cover issues in assessment, agreeing the criteria (Level Descriptions) and how to overcome problems in assessment. In addition the day will also include planning an assessment activity and how to develop understanding and skills in assessing practical science. Assessing children from video clips, photographs or through their language will also be considered.



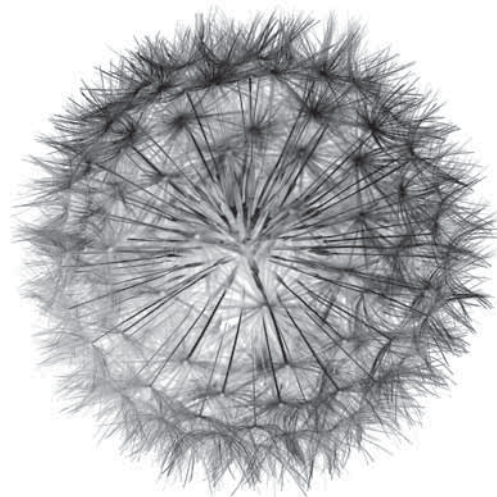
50% Discount

If you attend 4 of our courses in an academic year you can have 50% off your next course! Contact us for further details.

Supporting Primary Science Teaching

- **Wednesday 12 March 2008, 10am-4pm, University of Nottingham**

This course, developed and led by [Richard Barnett](#), will help teaching assistants at Key Stages 1 & 2 understand the nature of practical investigative science, in particular how whole investigations are structured and the idea of fair testing. The hands-on course will include the opportunity to undertake an investigation and discuss strategies for supporting investigative work in the classroom. Resources will be provided to help with supporting and planning investigative work for groups and ideas for differentiation will also be included. Delegates will have the opportunity to consider what pupils are expected to achieve in Key Stages 1 & 2 science and how their learning can be taken forward by reviewing samples of pupil's work and how investigative work features in Key Stage 2 SATs. In addition, delegates will gain an understanding of how science investigative work can be effectively carried out in the classroom.



Cross Curricular Science

- **Tuesday 29 April 2008, 10am-4pm, University of Leicester**

Making links within the curriculum is a part of creative teaching and learning and advocated by the Primary Strategy. This course, designed and led by [Jane Johnston](#), will consider what creative cross curricular science looks like and will include practical ideas to promote thinking skills, problem solving and develop enthusiasm for scientific discovery. In particular the course will consider:

- Why should we teach science in a cross curricular way?
- Practical cross curricular activities
- Issues in cross curricular teaching

Raising Attainment through Literacy in Science

- **Monday 19 May 2008, 10am-4pm, University of Leicester**

This challenging day considers how attainment can be raised in science by focusing on whole school links with literacy. [Rosemary Feasey](#) will consider issues such as teaching scientific language, scaffolding different kinds of writing, developing children's independence in communicating their science, as well as showing the range and depth of links with literacy. Delegates will take away a range of activities and strategies to use in the classroom and a whole school policy on literacy in science.

Raising Attainment through Numeracy in Science

- **Thursday 5 June 2008, 10am-4pm, University of Leicester**

This challenging day considers how attainment can be raised in science by focusing on whole school links with numeracy. [Rosemary Feasey](#) will consider progression in numeracy and how it affects science attainment. Delegates will be introduced to approaches to scaffold data handling from Foundation Stage to Year 6 as well as a range of activities which use and develop different mathematical concepts. Teachers will take away a range of activities and strategies to use in the classroom and a whole school policy on numeracy in science.

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 a 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 course programmes where circumstances dictate.

If you need further information, please contact us on:

Tel: 0116 252 3771
Fax: 0116 252 5772
Email: slcem@le.ac.uk

Science Learning Centre East Midlands Primary Course booking form

Course title	Venue	Date(s)	Full Fee	No. required	Sub. Fee*	No. required
ICT & Science for Primary Teaching Assistants Science starts here Using internet resources ICT Tools – communicating ICT Tools – handling the data Connecting peripherals Developing resources	Leicester	15/10/07 09/11/07 18/01/08 29/02/08 28/04/08 16/05/08	All 6 days £1300 Each day £225	..... ..... ..... ..... ..... .....	All 6 days £700 Each day £125	..............................
Raising attainment - Getting Preparing for SATs	Leicester	17/10/07	£165	.....	£100	.....
Using ICT to Support & Enhance Science Teaching in KS1/KS2 Investigating Materials Physical Processes Life & Living Processes	Lincoln	02/11/07 01/02/08 25/04/08	All 3 days £720 Each day £250	..... ..... .....	All 3 days £270 Each day £105	...............
Raising Attainment and Tracking Pupils in Science at Key Stage 1 & 2	Leicester	05/11/07	£165	.....	£100	.....
Engaging Children & Developing Thinking	Lincoln	06/11/07	£220	.....	£110	.....
Confidence in Running Investigative Science Activities for Whole Classes	Nottingham	22/11/07	£400	.....	£300	.....
Gifted and Talented in Science Across the Primary Years	Leicester	29/11/07	£165	.....	£100	.....
Primary Science Leaders Course	Leicester	03/12/07 15/01/08 13/03/08	£395	.....	£295	.....
Developing Science Investigative Work at Key Stages 1 & 2	Lincoln	05/12/07	£100	.....	£85	.....
Primary Science for Teaching Assistants	Leicester	16/01/08	£165	.....	£100	.....
Celebrating Science at KS1 and KS2: Science Clubs & Science Weeks!	Nottingham	22/01/08	£170	.....	£105	.....
Stories & Poems in Science: Foundation through to Year 6	Nottingham	28/01/08	£165	.....	£100	.....
Science on a Shoestring!	Leicester	28/02/08	£165	.....	£100	.....
Assessment in Primary Science	Nottingham	11/03/08	£165	.....	£100	.....
Supporting Primary Science Teaching	Nottingham	12/03/08	£165	.....	£100	.....
Cross Curricular Science	Leicester	29/04/08	£165	.....	£100	.....
Raising Attainment through Literacy in Science	Leicester	19/05/08	£165	.....	£100	.....
Raising Attainment through Numeracy in Science	Leicester	05/06/08	£165	.....	£100	.....

* Subsidised fees are applicable for all maintained schools in England.

Invoice details: (Please use CAPITALS)

Invoice contact name

Delegate name(s)

Delegate(s) email

School/College.....

Address

.....Postcode

TelephoneDate

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. The Science Learning Centre East Midlands is run by a consortium of the University of Leicester, the University of Nottingham and Bishop Grosseteste University College Lincoln.

www.le.ac.uk/slcem