

Application Form - please photocopy for extra applicants:
HOW SCIENCE WORKS, 8 January 2008,
The King's School, Ely, Cambridgeshire

TITLE (Mr, Mrs, etc)..... SURNAME(S).....

FIRST NAME(S)

NAME OF SCHOOL

ADDRESS

.....

POSTCODE.....TEL.....FAX.....

EMAIL

RSC member: £45.00 + £7.88 VAT = £ 52.88

Non-member: £90.00 + £15.75 VAT = £105.75

Extra colleague £105.75 inclusive of VAT

Cheque (made payable to 'Royal Society of Chemistry')
enclosed for £.....

or please tick box if invoice required

We may contact you by mail, telephone, email or fax to tell you about activities, products and services that may be of interest to you. If you DO NOT wish to receive this information, please tick the box.

VAT no GB 342 1764 71

Send or fax the application to: Lorraine Hart, Royal Society of Chemistry,
Burlington House, Piccadilly, London W1J 0BA; tel 020 7440 3350 (direct)
fax 020 7287 9825; e-mail: hartl@rsc.org

F.A.O. the Teacher in Charge of Chemistry

RSC | Advancing the
Chemical Sciences

HOW SCIENCE WORKS

Practical strategies for teaching

- Developing scientific arguments through discussion
- Science in the media
- Scientific method and enquiry
- Teaching the vocabulary of how science works

*The King's School,
Ely, Cambridgeshire
Tuesday 8th January 2008*

Royal Society of Chemistry, Burlington House, Piccadilly,
London W1J 0BA; Tel. 020 7437 8656; Fax 020 7287 9825.
Registered Charity No. 207890

HOW SCIENCE WORKS

Discussing ideas and concepts

This workshop provides practical techniques to enable teachers to meet the key changes in the new GCSEs. There is a particular focus on techniques which allow students to discuss their ideas and understanding of everyday and contemporary science issues such as, nuclear power, food additives and the environment.

Techniques and materials to use in the classroom

The workshop provides practical strategies to teach:

- The communication of ideas in science
- Concepts such as inference / observation / accuracy /reliability / precision / repeatability / validity
- Scientific process

Bring a Colleague

We know from experience that the experimental stage is best carried out in a team/supportive environment and is most likely to succeed with two or more colleagues working together. The workshop fee for extra colleagues is only £45.00 + VAT per person – just add their name to the form.

Course Leader

Chris Baker is a provider of high quality INSET. Chris is particularly renowned for training in the areas of assessment for learning and co-operative learning.

Registration fee

RSC member: £45.00 + £7.88 VAT = £ 52.88

Non-member: £90.00 + £15.75 VAT = £105.75

inclusive of lunch, refreshments and notes.

Programme

09:15 Refreshments available

09:45 Welcome and introduction

09:50 The language of how science works
- strategies and exercises

11:00 Refreshments

11:15 Data evidence and theories

11:55 Practical and enquiry skills
- open investigations
- Pantene Pro claims
- setting jelly

12:30 Lunch

13:15 Communication skills
- using 5 point criteria
- reporting experimental procedure and results

14:15 Refreshments

14:30 Applications and implications of science
- using media resources
- asking higher level thinking questions

15:30 Finish

Venue

The workshop will be held at The King's School, Ely, Cambridgeshire, CB7 4DB.