

*Application Form - please photocopy for extra applicants:*  
**HOW SCIENCE WORKS**

**VENUE .....**

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

FIRST NAME(S) .....

NAME OF SCHOOL .....

ADDRESS .....

.....

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

EMAIL .....

**RSC individual member £58.75 inclusive of VAT** ☐

**Non member £117.50 inclusive of VAT** ☐

**Extra colleague £58.75 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

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## **NEW DATES**

### **HOW SCIENCE WORKS** *Practical strategies for teaching*

- Developing scientific arguments through discussion
- Learning from media science
- Scientific method and enquiry
- Measurement, accuracy and precision

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***Birmingham, 21 September 2007***  
***London, 11 October 2007***  
***Manchester, 12 October 2007***

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

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## ***HOW SCIENCE WORKS***

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### **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, GM crops, nanotechnology, and detergents 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 £50 + VAT per person.

### **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.

### **Fees**

The Workshop fee is £58.75 for an individual RSC member and £117.50 for a non-member, inclusive of VAT, lunch and refreshments. Additional colleagues may enroll at the same event for an extra £58.75 per person – just add their name to the form.

### **Programme**

09:15	Refreshments available
09:45	Welcome and introduction
09:55	What do we mean by “how science works”
10:10	Developing scientific ideas and theories
11:00	Refreshments
11:15	Measuring uncertainties and reporting reliable results
12-15	Lunch
13-15	Using the media to develop scientific arguments
14:15	Refreshments
14:30	More strategies
15:15	Summary – what will I do next?
15:30	Finish

### **Venues**

The workshops will be held in hotels in the city centre.