

Application Form - please photocopy for extra applicants

**THE SCIENCE OF MATERIALS SUMMER SCHOOL,
7 - 10 JULY 2008, LONDON**

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

FIRST NAME(S)

NAME OF SCHOOL

ADDRESS

.....

POST CODE..... TEL..... FAX.....

EMAIL

RSC/IOM³ Member: £125.00 + £21.88 VAT = £146.88

Non member: £250.00 + £43.75 VAT = £293.75

Cheque 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

For the attention of the teacher in charge of Chemistry



IOM³
The Institute of Materials, Minerals & Mining

RSC | Advancing the
Chemical Sciences

**THE SCIENCE OF MATERIALS
SUMMER SCHOOL**

A short residential course including visits, lectures and practical sessions on:

- **Polymers**
- **Materials-based experiments pre- and post 16**
- **Biomaterials**
- **Fuel Cells**

7 – 10 July 2008

Residential base at Imperial College London

The Royal Society of Chemistry in association with The Armourers and Brasiers' Company, the Institute of Materials, Minerals & Mining, Queen Mary University of London, Imperial College London and the London Metropolitan Polymer Centre

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

The summer school will enable teachers to provide support, help and advice to students in all aspects of Materials Science through:

- Lectures and seminars providing information about the latest advances in Materials Science.
- Practical experiments which can be taken away and used in school. These simple experiments/ demonstrations, suitable for all abilities, present existing material as Materials Science and also offer opportunities for extension material for the more able pupils.
- Discussions focusing on career opportunities in Materials Science.
- Visits to see applications of Materials Science in action at the Victoria and Albert Museum and The National Gallery.

Queen Mary University of London – Biomaterials

Medical and Dental devices save and enhance millions of lives every year. The activities introduce participants to the diverse and novel properties of materials and their application in the medical and dental industries. You will see demonstrations and take part in practicals, including performing an operation to replace a diseased hip joint!

Imperial College – Polymers / Glasses / Fuel Cells

Imperial provides a range of practicals and seminars focusing on some current areas of general interest such as energy technology, climate change and carbon emissions as well as giving practical demonstrations in areas of polymer chemistry. Participants will also investigate materials behaviour and the relationship with the chemistry of the component.

The London Metropolitan Polymer Centre - Polymer processing, testing and characterisation.

Participants will have the opportunity to gain first hand experience in operating processing equipment including, injection moulding, extrusion, blow moulding, compression and vacuum forming machines. They will manufacture a whole host of goodies including, bowls, plates, bottles, bags etc.!

The Victoria and Albert Museum and The National Gallery

An opportunity to see behind the scenes and find out about the work of scientists in maintaining, renovating and preserving objects and art.

Provisional Programme:

Monday 7 July

Up to 17:45 Check into accommodation at Imperial College
18:15 Crash helmets for eggs - a fun materials design
20:00 Dinner

Tuesday 8 July

09:00 Depart for Queen Mary University via tube
10:00 Lectures / Seminars and Practical at Queen Mary University
15:00 Depart for National Gallery – chemistry and art
16:00 Visit at National Gallery
19:30 Dinner

Wednesday 9 July

09:00 Depart for London Metropolitan Polymer Centre
10:00 Lectures / Seminars and Practical at London Metropolitan Polymer Centre
15:00 Depart for Victoria and Albert Museum
16:00 Visit at Victoria and Albert Museum
19:30 Course dinner at Armourers' Hall (formal dress)

Thursday 10 July

09:30 Lectures / Seminars and Practical at Imperial College
14:00 Summer school finishes.

Accommodation: is in single en-suite rooms at Imperial College London and is available on the nights of 7th, 8th and 9th July.

Fees: inclusive of VAT, accommodation and all meals during the school: **RSC/IOM³ members: £146.88; Non members: £293.75**

Please note that the course fee is subsidised, and there is no reduction for participants not taking accommodation or meals.