

## **INTERNATIONAL STUDY PROGRAMMES**

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# **ONE WEEK COURSE FOR EUROPEAN TEACHERS OF SCIENCE MAKING SCIENCE MORE ATTRACTIVE**

**CHELTENHAM: SATURDAY 9 JUNE - SUNDAY 17 JUNE 2012**

Teachers from all European countries are invited to attend this course.  
There will be separate sections for primary teachers and for teachers of science at secondary level.

## **COURSE OBJECTIVES:**

The course aims to provide Teachers with:

- an insight into the teaching of Science in British Schools (primary or secondary)
- an opportunity to compare the teaching of Science in different European countries, to exchange ideas and develop links with teachers from other European countries
- an opportunity to attend stimulating scientific lectures and workshops and gain new inspiration and teaching ideas for their science classes (at primary or secondary level)

## **COURSE CONTENT:**

1. **Lecture and Discussion** on the Teaching of Science in Britain
2. **Lectures:** “New Approaches to teaching Science and Technology – making secondary science classes more relevant to the World of Work” and “Making Science More Attractive”.
3. **2 Day visits to primary or secondary schools** – observe science lessons and opportunity for discussion with teachers
4. **Feedback discussion on school visits.** Group discussion comparing the Teaching of Science in the different countries represented – curriculum, materials, methods, standards, assessment, national education policies etc. with a British Science Teacher.
5. **Introduction to CLIL (Content and Language Integrated Learning)** focusing on Science (Secondary Level)
6. **Attendance at 5 Events for Schools** (primary or secondary) at the **Cheltenham Science Festival** presenting aspects of chemistry/physics/biology in an accessible and enjoyable way
7. **Educational visit to the Science Museum and Natural History Museum in London**

## **LOCATION:**

**CHELTENHAM:** Population: 108,000; 98 miles (157 kilometres) west of London (2 hours by rail, 2½ hours by coach). Cheltenham is an elegant spa town, situated on the edge of the Cotswold Hills, which are famous for their picturesque stone villages. Cheltenham is known for its Regency architecture, wide tree-lined streets, parks and gardens and it has many attractive residential areas.

The course will take place during **THE CHELTENHAM SCIENCE FESTIVAL** (12-17 June 2012), an important national annual festival where people can hear directly from some of Britain’s great thinkers, scientists and politicians on a wide range of topics.

Themes from recent festivals have included; ‘Human Enhancement’, ‘Sustainable World’. Lecture topics have included ‘The Power of Fusion’, ‘Astrobiology’, ‘Climate Engineering’, ‘Our Earth, The Big Bang & Beyond’, ‘Sperm Warfare’, ‘The Future of Stem Cells’.

There is a rich programme of science events (biology, physics and chemistry) for primary and secondary schools, run by teams from the Science Museum, Bristol University School of Chemistry, etc., ‘Discover Zone’ interactive area and ‘Experitent’ housing children’s workshops. Previous topics for schools have included ‘Fire, Ice and Air’, ‘Chemical Clocks’, ‘When is a Gas not a Gas?’, ‘We are What we Eat’, ‘The Teenage Brain’.

**TOTAL PRICE:** 1269 Euro comprises:

(a) **COURSE FEE:** 837 Euro to include:

Full programme of study sessions and visits as itemised above.

NB. Participants are responsible for paying their own daily transport costs, including transport to primary or secondary schools. Any optional visits are not included in the price and the cost depends on the number of participants

(b) **HOST FAMILY ACCOMMODATION:** 432 Euro to include:

Full board accommodation with a local family (inclusive of registration fee): 8 nights  
(Teachers may request to be the only guest of their mother tongue or to stay in the same family as a colleague).

Host families are carefully selected and offer a friendly welcome and opportunities to chat and learn more about life in Britain today. Participants often find that the experience of staying with a host family is one of the most memorable aspects of the course. Accommodation is in single rooms (unless participants request to share). Breakfast, packed lunch and evening meal are provided by the host family. (Food allergies, likes and dislikes are taken into account.)

Please note that many of the suitable residential areas are not within walking distance of the town centre, and most host families are an easy bus ride from the town centre/tuition centre. Local transport from host families to the town centre and local schools is at the participants' own expense and is likely to cost 15-30 Euro per week.

Additional nights with host families can be arranged, giving participants extra time for individual research and visits. Accommodation can be provided for family members (but not unaccompanied children) subject to availability. (Rates on request).

#### **PAYMENT:**

Full payment will be due 2 months before the course begins, or for teachers awaiting Comenius funding – as soon as the Comenius grant is received. Cancellation charges apply for cancellations 4 weeks or less before the course commences. 3-4 weeks before arrival: cancellation fee: 380 Euros. No refund for cancellations within 3 weeks of arrival. Cancellation insurance can be arranged through Endsleigh Insurance.

#### **TRAVEL:**

Transport to and from Cheltenham at the beginning and end of the course is not provided and International Study Programmes regrets that it is unable to assist with travel arrangements. The most convenient airport for this centre is Heathrow as there is a direct coach from London (Victoria) and Heathrow to Cheltenham.

For enquiries and timetables:

National Express Coach:

[www.nationalexpress.com](http://www.nationalexpress.com)

0044-121-625 1122

Rail:

[www.thetrainline.com](http://www.thetrainline.com)

0044-191-227 5959

There is also a useful website [www.transportdirect.info](http://www.transportdirect.info) which will assist in planning a journey within the UK using every form of transport.

### **INTERNATIONAL STUDY PROGRAMMES:**

International Study Programmes has 30 years experience in organising courses for Teachers on behalf of European Ministries of Education and In-Service Teacher Training Institutes.

### **COMENIUS GRANTS:**

This course is listed in the Comenius database and has a Comenius reference number.

**Eligible applicants may apply to the European Union for Comenius funding.**

Grant applications should be made to participants' National Agency for the Lifelong Learning Programme (formerly Socrates).

**Deadline:** 16 January 2012 for courses starting 01 May – 31 August 2012

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## MAKING SCIENCE MORE ATTRACTIVE

**CHELTENHAM: SATURDAY 9 JUNE-SUNDAY 17 JUNE 2012**

### DRAFT PROGRAMME

DAY & DATE	MORNING	AFTERNOON	EVENING
SATURDAY 09 JUNE			Arrive Cheltenham
SUNDAY 10 JUNE	0830- Welcome and Visit London 2000 Visit the Science Museum and Natural History Museum		
MONDAY 11 JUNE	0900- Introduction 1000  1030- Lecture: The National Curriculum 1300 in Science and the Teaching of Science in British Schools (primary & secondary)	1400- Lectures: "New approaches to 1700 teaching Science and Technology – making secondary science classes more relevant to the world of work" and "Making science more attractive"	
TUESDAY 12 JUNE	0830- Day visit to a primary or secondary school 1600 Observe science lessons and opportunity for discussion with teachers		Optional evening in a traditional pub
WEDNESDAY 13 JUNE	0930- Attend Cheltenham Science Festival 1315 Events for Schools (primary or secondary)	1400- Introduction to CLIL (Content and 1730 Language Integrated Learning) focusing on Science (secondary level)	
THURSDAY 14 JUNE	0830- Day visit to a primary or secondary school 1600 Observe science lessons and opportunity for discussion with teachers		Free for Individual Attendance at Science Festival Events
FRIDAY 15 JUNE	0930- Attend Cheltenham Science Festival 1315 Events for schools (primary or secondary)  Visit the Festival Discover Zone (Interactive Exhibition)	1430- Feedback discussion on 1630 school visits. Group discussion comparing the Teaching of Science in the different countries represented – curriculum, materials, methods, standards, assessment, national education policies etc. with a British Science teacher.  1630- Evaluation Session 1730	Free for Individual Attendance at Science Festival Events
SATURDAY 16 JUNE	0930- Attend Cheltenham Science Festival 1130 event	Optional visit to Oxford and The Cotswold village of Burford	
SUNDAY 17 JUNE	Depart Cheltenham		