

Forthcoming events

4 December 2007 – 30 September 2008

Explor@dome, Paris, France

Exhibition: Bougez Vert: the development of sustainable transport

This exhibition invites pupils and teachers to address environmental questions related to transport. It offers an interactive and pleasant way to test their knowledge and develop an understanding of sustainable development. Among the many hands-on exhibits are the energy bike and interactive exhibits that produce hydrogen for a fuel cell or allow visitors to investigate different ways to move around a city.

Scientific and multimedia workshops are also available for children aged 7-14.

More information: www.exploradome.com

*Contact: Eloise Soucours
(eloise@exploradome.com)*

6-11 September 2008

University of Liverpool, UK

Science festival: BA Festival of Science

Organised by the British Association for the Advancement of Science (BA), this week-long event is the biggest celebration of science, engineering and technology in Europe. There are events for everyone: talks, plays, debates, hands-on activities and more. In special events for young people,

school groups can explore Earth's atmosphere, discuss important issues with eminent scientists or investigate the best material to make a successful catapult.

*More information:
www.the-ba.net/festivalofscience*

19-28 September 2008

Norway

Science festival: Norwegian science week

School students, teachers and the general public are invited to take part in the Norwegian science week. Learn about and experience science through science fairs, demonstrations, lectures, performances, exhibitions and discussions, as well as tours, information stands, and cultural and hands-on activities. Nearly all events are free of charge.

As part of the science week, school classes are invited to carry out a project about solar energy and write a report on the results. See www.miljolare.no

*More information:
www.forskningsdagene.no/artikkel/vis.html?tid=30355*

29 September – 1 October 2008

European Molecular Biology Laboratory, Heidelberg, Germany

Training course: ELLS LearningLAB

The European Learning Laboratory for the Life Sciences (ELLS) is an education facility to bring secondary-school teachers into the research lab for a unique hands-on encounter with state-of-the-art molecular biology techniques. ELLS also gives scientists a chance to work with teachers, helping to bridge the widening gap between research and schools.

The three-day course is designed to enable the participating teachers to explore a range of activities, which they can practice in the lab and then take back to the classroom.

The course is open to 20 European high-school science teachers and is run in English. The course, including course materials, catering and accommodation, is free of charge; participants are expected to meet their own travel costs.

More information: www.embl.de/ells

Contact: ells@embl.de

1-3 October 2008

Laboratori Nazionali di Frascati, Italy

Training course: Incontri di Fisica

Organised by INFN Laboratori Nazionali di Frascati, Incontri di Fisica is a three-day training course

for secondary-school science teachers and people involved in science communication. The goal is to provide teachers with further professional training, and to encourage interactive and hands-on contact with the latest developments in physics, as well as direct contact between teachers and researchers.

The programme includes plenary sessions, working groups, discussions, and visits to experimental areas. There will be lectures on the new frontiers of physics, including the Large Hadron Collider (LHC), cosmology, and nuclear energy, as well as a consideration of science and society. In small groups, participants will work on physics experiments typical of the research of Istituto Nazionale di Fisica Nucleare (INFN) and Laboratori Nazionali di Frascati.

The course is free and is run in Italian. The registration deadline is 30 May 2008.

More information:

www.lnf.infn.it/edu/incontri/2008/

Contact: sislnf@lnf.infn.it, or tel: +39 (0)69 403 2423/2942/2552/2643

23-26 October 2008

**Urania conference centre,
Berlin, Germany**

Science teaching festival: National Science on Stage festival

About 250 science teachers from Germany and other European countries will participate in the first national Science on Stage festival in Berlin, Germany, organised by Science on Stage Germany and THINK ING. Participants will present teaching projects and experiments in a fair and discuss innovative methods in workshops and round tables. The festival programme also includes scientific talks, exhibitions at the science and research institutes in Berlin, and stage performances.

Interested teachers are invited to visit on the open days, on 24 and 25 October from 11am to 5pm, in the Urania conference centre. The conference language is English and admission is free of charge. To register, please write a short email, including your name and institution.

More information:

www.science-on-stage.de

Contact: info@science-on-stage.de

24-25 October 2008

**Deutsches Museum, Munich,
Germany**

Workshop: Genlabor & Schule IV

Science teachers, research scientists and representatives of learned societies, governments, companies and foundations are invited to attend the next Genlabor & Schule workshop. This two-day event consists of lectures, discussion workshops and panel discussions.

Genlabor & Schule is a network of learning laboratories for the molecular life sciences in Germany, coordinated by the German Society for Biochemistry and Molecular Biology (Gesellschaft für Biochemie und Molekularbiologie, GBM).

The event will run in German and participation costs €40.

More information:

www.gbm-online.de/Arbeitskreise/AkOe/Genlabor_Schule_IV/impressum.htm

28 October, 5 November,

12 November 2008

DECHEMA, Frankfurt, Germany

**Open day: Science days
(Wissenschaftstage)**

School students, their teachers and interested members of the public are invited to participate in one of three days of chemical demonstrations, lectures and experiments. Visits to the laboratories of the Karl Winnacker

Institute are also possible. The science days are organised by the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) and the German Society for Chemical Engineering and Biotechnology (DECHEMA).

All events are free of charge and are held in German. Please register in advance.

More information:

www.dechemax.de/wita08

Contact: presse@dechema.de,

tel: +49 (0)69 7564 375/296,

fax: +49 (0)69 7564 272

13 November 2008 – May 2009

Competition: The chemical detective (Mit Chemie auf Spurensuche)

The ninth DECHEMA school competition will start in November 2008. In the first round, teams of three to five students from Years 7-11 answer weekly questions on the Internet about biology, biotechnology and chemistry. Teams that pass the first round can take part in the second – experimental – round. There are certificates for all successful teams, and attractive prizes for the winners.

The competition is run in German. Registration opens online on 1 October:

www.dechemax.de/anmeldung

More information: www.dechemax.de

Contact: dechemax@dechema.de,

tel: + 49 (0)69 7564 164/172

12-14 December 2008

Engineering Department, University of Cambridge, UK

Training course: Cambridge Update

All practising teachers of physics are invited to take part in a course run by the UK's Institute of Physics. Through a series of talks and workshops, participants will learn about recent developments in physics and the applications of physics, try new practical techniques and find out about developments in physics education.

The course costs £130 (residential) or £70 (non-residential). There is a discount for members of the Institute of Physics.

Flyers and application forms will be sent to UK schools early in September. Schools from outside the UK who would like to be informed about the course should get in contact.

Contact: Leila Solomon

(leila.solomon@iop.org)

Until 15 January 2009

Germany

Competition: Siemens school competition

This year's Siemens school competition in science, engineering and mathematics is all about water. How can we reduce our water consumption? How can we avoid water pollution? What technologies are available for acquiring drinking water and treating sewage? Students in Years 11-13 are invited to compete.

The deadline for registration is 31 October 2008. The submission deadline is 15 January 2009. The competition language is German.

More information:

www.siemens.de/generation21/schuelerwettbewerb

15-17 February 2008

London, UK

Training course: Physics in Perspective

This study course for 6th formers and college students (aged 16-19) offers insights into the many aspects of modern physics, including cutting-edge physics topics, technological applications, as well as some 'fun' physics. The programme of six lectures is designed to counteract misconceptions that physics is a dry, narrow subject concerned only with certainties and remote concepts, and to demonstrate how physics is used to help us understand our environment, our planet and our universe.

Organised by the UK's Institute of Physics, the course costs £20.

Contact: Leila Solomon

(leila.solomon@iop.org)

All year

CERN, Geneva, Switzerland

Training course: CERN high-school teacher programme

CERN, the world's largest particle physics laboratory, organises one-week courses for secondary-school physics teachers who would like to increase their knowledge of particle physics and cosmology, who want to find out more about the world of frontier research, and who wish to bring modern physics into their classrooms. The course materials are aimed at students aged 13-16.

The courses cover (at an introductory level) particle physics, cosmology, detectors, accelerators and applications. Teachers have the opportunity to visit CERN's experimental installations. Each course is aimed at teachers from a particular European country and is run in the national language.

The courses are free of charge, but the participants are expected to pay for their travel expenses and accommodation.

More information:

<http://education.web.cern.ch/education/>

Contact: Mick Storr (mick.storr@cern.ch)

All year

Schullabor Novartis, Basel, Switzerland

Workshop: 'Gentechnik Erleben' (Experience Genetic Engineering)

These workshops focus on practical laboratory work, but background information is given for all experiments. Secondary-school students isolate plasmid DNA from bacterial cultures and digest it with restriction enzymes. The resulting DNA fragments are separated and visualised by gel electrophoresis.

The workshops are for secondary-

school students who already have the necessary theoretical background and are over 17 years of age. The workshops are free of charge, are in German or English (on request), and have a maximum of 20 participants. Teachers are invited to get in touch to arrange a workshop for their class.

More information: www.schullabor.ch

Contact: Gesche Standke

(gesche.standke@novartis.com)

All year

Schools and other venues in the UK

Roadshow: Cool Seas

Run by the Marine Conservation Society, the Cool Seas Roadshow visits primary and junior schools throughout the UK. It entertains and educates school children about the importance of conserving the UK's spectacular marine wildlife, using life-size inflatable models of whales, dolphins, sharks, turtles and seals in dynamic presentations given by a marine wildlife education specialist. The roadshow involves a full day of presentations to different classes, and costs either £175 or £350, depending on how much the school can contribute.

Each school that is visited receives printed materials and web-based resources, including an activity booklet for each student, and a poster for every classroom. The curriculum-linked, web-based resources can be viewed here:

www.mcsuk.org/coolseas

The roadshow is also suitable for public events outside school, so if you are planning an environmental event or have a large and suitable audience in mind, please get in touch.

More information: www.mcsuk.org

Contact: info@mcsuk.org

All year

10 locations around the UK

Training courses: Science continuing professional development

The national network of Science Learning Centres, set up by the UK Department for Skills and Education and the Wellcome Trust, provides continuing professional education for everyone involved in UK science education, at all levels. With nine regional centres and a national centre in York, access to innovative and inspiring courses is within reach across the UK. The centres not only deliver hundreds of courses, but also act as a focus for all the science learning activities in their region.

More information:

www.sciencelearningcentres.org.uk

Contact: enquiries@national.slcs.ac.uk

All year

Glasgow Science Centre, Glasgow, UK

Free teacher visits

Teachers, classroom assistants, nursery teachers and technicians are invited to visit the Glasgow Science Centre, free of charge, to explore and investigate what is on offer.

More information:

www.glasgowsciencecentre.org

Contact: +44 (0)871 540 1003

All year

Many Scottish venues, UK

Roadshow: Science Circus

Glasgow Science Centre's outreach team brings all the fun of the science centre directly to schools and community groups throughout Scotland thanks to its lively travelling Science Circus. Science Circus activities consist of amazing live science shows and interactive exhibits delivered at your venue.

More information:

www.glasgowsciencecentre.org

Contact: +44 (0)871 540 1004

All year

Pembrokeshire, Wales, UK

Field trip: Rockpools

The Pembrokeshire Darwin Science Festival invites all primary schools in Pembrokeshire to book a rockpool ramble and identification field trip. The course is aimed at Key Stage 2 pupils (ages 8-11), takes half a day and is led by three qualified marine scientists. Cost: £250 with a bus or £170 without a bus. Maximum 30 children.

More information:

www.darwincentre.com

Contact: Marten Lewis

(M.B.Lewis@pembrokeshire.ac.uk)

All year

Pembrokeshire, Wales, UK

Workshops: Primary school

The Pembrokeshire Darwin Science Festival offers a double workshop visit for a maximum of 30 Key Stage 2 pupils (ages 8-11), costing £200. The group is split into two workshops, which run simultaneously:

- Plankton/microscopy identification workshop
- Energy workshop using dynamos, solar panels and a steam engine as hands-on props.

Also available are three 90-minute workshops, each for a maximum of 20 pupils and costing £120:

- Oil-spill workshop for Key Stage 2 pupils (ages 8-11)
- Climate-change workshop for Key Stage 2 pupils (ages 8-11)
- Marine-litter workshop for Key Stage 1 pupils (ages 4-7).

More information:

www.darwincentre.com

Contact: Marten Lewis

(M.B.Lewis@pembrokeshire.ac.uk)

All year

Paris-Montagne, Paris, France

Science Academy

Throughout the year, Paris-Montagne runs an outreach programme in all Parisian suburbs and in the Lyon area. The science academy is for high-school students who are interested in science but not confident enough to enrol for undergraduate studies, due to social and cultural hindrances. The organisation offers students personal tutoring and the possibility to discover the world of research by meeting researchers in various fields and by carrying out their own research in real laboratories during their holidays (100 labs, from three hospitals and a dozen universities and research institutes, participated in April 2008). The most dedicated participants in the programme are offered the chance to take part in a summer camp during the Paris-Montagne science festival in July, and also to attend other scientific summer camps in Europe (including Petnica, Kut Diak and Visnjan).

Since its creation in 2006, nearly 300 high-school students have participated in the science academy, and each year around 1500 participants visit the Paris-Montagne science festival.

More information:

www.scienceacademie.org

All year

Portugal

School visits: MIT professors go to Portuguese secondary schools

Ciência Viva is organising short talks by MIT professors in Portuguese secondary schools, as part of a co-operation between the Massachusetts Institute of Technology and Portuguese universities in the areas of bio-engineering, sustainable energy and transport systems. The students have direct contact with MIT professors and can discuss their ideas and ask questions about these important engineering areas.

Schools are selected based on their motivation for participating in the programme and on the projects they have developed in the areas of science and engineering.

More information:

www.cienciaviva.pt/divulgacao/mit

Contact: mit@cienciaviva.pt

All year

INTECH, Hands-on Interactive Science and Discovery Centre, Winchester, UK

Free teacher visits

Teachers are invited to visit INTECH, the hands-on interactive science and discovery centre, free of charge, or to attend a teacher preview session to discover what is available for school visits and workshops.

More information: www.intech-uk.com

Contact: Angela Ryde-Weller

(AngelaRydeWeller@intech-uk.com)

If you organise events or competitions that would be of interest to European science teachers and you would like to see them mentioned in *Science in School*, please email details – including date, location, title, abstract, price, language, registration deadline, website and contact email address – to editor@scienceinschool.org.

