

Forthcoming events

9-15 September 2007

York, UK

Science festival: The BA Festival of Science

In September, the University of York, the city of York and the surrounding area will experience an explosion of science. From excursions and hands-on family days to debates on current hot topics and unique opportunities to question the UK's top scientists, the BA Festival of Science offers something for everyone.

Schools can be involved through a programme of specifically designed activities for students of all ages, their teachers and their supporters. As Europe's largest celebration of science, it offers the opportunity to find out about latest developments in an exciting and informative way by connecting with a range of scientists, engineers, technologists, museums and businesses. There is also a strand of education events aimed specifically at science teachers. Why not take part in the *Science in School* workshop?

Local UK schools will receive full details and booking information in the summer term. To make sure you are on the mailing list, email or call, mentioning the schools programme.

More information:

www.the-ba.net/festivalofscience

Contact: festival@the-ba.net or

+44 (0)20 7019 4963

9-15 September 2007

CERN, Switzerland

Training course: CERN high-school teacher programme

CERN, the world's largest particle physics laboratory, organises courses for 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 are free of charge, but the participants are expected to pay for their travel expenses and accommodation.

This course is for participants from Portugal and takes place in Portuguese.

Contact: [Mick Storr \(mick.storr@cern.ch\)](mailto:mick.storr@cern.ch)

14 September 2007

Universität Kassel, Germany

Workshop: English-language biology and chemistry lessons in German schools

Biology and chemistry teachers who teach in English are invited to a workshop organised by the Verband deutscher Biologen and the Vereinigung der Schulen mit deutsch-englisch bilingualem Zug in gymnasialen Bildungsgängen in Hessen. Participants who already have experience in bilingual teaching are requested to submit worksheets or teaching

ideas for a joint collection of teaching materials. Teachers from outside Germany are warmly welcome.

Workshop fee: €10

Contact: [Matthias Bohn \(mbohnde@aol.com\)](mailto:mbohnde@aol.com)

14-20 September 2007

CERN, Switzerland

Training course: CERN high-school teacher programme

CERN, the world's largest particle physics laboratory, organises courses for 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 are free of charge, but the participants are expected to pay for their travel expenses and accommodation.

This course is for participants from Germany (Baden-Württemberg, Saarland and Sachsen-Anhalt) and takes place in German.

Contact: [Mick Storr \(mick.storr@cern.ch\)](mailto:mick.storr@cern.ch)

29 September 2007

Cork Institute of Technology and Blackrock Castle Observatory, Republic of Ireland

Training course: Frontiers of Physics 2007

All teachers interested in physics teaching are invited to attend a day of lectures, demonstrations and workshops for post-primary teachers of physics, organised by the Institute of Physics and the city of Cork. The working language is English and the registration fee is €30.

More information:

www.physics.cit.ie/frontiers2007

Contact: Paul Nugent

(paulnugent@eircom.net)

10-12 October 2007

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

18-23 October 2007

Petnica Science Center, Serbia
Conference: Network of Youth Excellence workshop/conference

The Network of Youth Excellence (NYEX) is a UNESCO-sponsored network to share good practice between worldwide initiatives that encourage research possibilities for motivated secondary-school students.

The next conference will have three main topics:

1. Towards successful national policies that support young talents in science
2. Effects of out-of-school science education
3. Professional support for young talents in science – examples of good practice.

To take part in the conference and/or to give a presentation, submit your application by 1 May 2007.

More information:

http://nyex.info/58-11706.html

Contact: Vigor Majic (vigor@psc.ac.yu) or Lilla Barabas (secretary@nyex.info)

19-21 October 2007

Plaza del Pilar, Zaragoza, Spain

Science teaching festival: Ciencia en Acción

Ciencia en Acción recognises, promotes and rewards the efforts of teachers of all levels in order to help all students to extend their science background and their appreciation of the role of science.

The festival takes place in Spanish and Portuguese, and is open to science teachers from all Spanish- and Portuguese-speaking countries. Deadline for applications: 5 July 2007.

More information:

www.cienciaenaccion.org

Contact: Rosa Maria Ros

(ros@mat.upc.es)

31 October – 2 November 2007

CERN, Switzerland

Training course: CERN high-school teacher programme

CERN, the world's largest particle physics laboratory, organises courses for 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 are free of charge, but the participants are expected to pay for their travel expenses and accommodation.

This course is for participants from France and takes place in French.

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

2-3 November 2007

European Molecular Biology Laboratory, Heidelberg, Germany

Conference: 8th EMBO/EMBL Joint Conference on Science and Society

Teachers and their students are invited to attend this year's EMBO/EMBL Joint Conference on Science and Society entitled 'The future of our species: evolution, disease and sustainable development'.

The four sessions of the conference cover:

- Emerging, re-emerging and persistent diseases
- Global sustainability and biology
- Treatment and enhancement
- Human evolution: once we were apes.

The conference fee is €40 (€20 for students).

More information:

www.embo.org/scisoc/conference07.html

Contact: scisoc@embo.org

19-25 November 2007

Schwerin castle, Germany

Science fair: SWEETS science forum

The Space Weather in Europe – An Educational Tool with the Sun (SWEETS) project aims to raise public awareness of weather in space.

During European Science Week, activities will take place in 27 European countries, including a space-weather mobile truck tour, a web quiz, festivals, a rocket and balloon campaign and a space-weather film. The main festival will take place at the castle in Schwerin, Germany.

More information:

www.sweets2007.eu

Contact: info@sweets2007.eu

19-25 November 2007

Porto, Portugal

Science fair: Thunderstorms in Space Weather

As part of the Space Weather in Europe – An Educational Tool with the Sun (SWEETS) project, the Centro de Astrofísica da Universidade do Porto, Portugal, will organise a science fair featuring the planetarium show 'Thunderstorms in Space Weather', where members of the public can make solar observations with telescopes, join a workshop to make a sun clock or take part in many other activities.

Young visitors receive the Portuguese version of the ESA *Starlight* colouring book.

More information: www.astro.up.pt

Contact: Ricardo Reis

(ricreis@astro.up.pt)

Until 30 November 2007

Italy, Austria and Switzerland

Competition: Junge Forscher gesucht! – Giovani ricercatori cercansi! (Wanted: young researchers!)

In this search for talented young researchers, young people are required to develop scientific projects on many topics, including art and music. Regional finalists, selected on the basis of a report they submit, present their project to an international jury and the public. Prizes of €1500-3000 are awarded.

The competition is open to people aged 16-20 living in South Tyrol (Italy), Trentino (Italy), Tyrol (Austria) or Grisons (Switzerland) and is held in the regional languages German and Italian.

To enter the next competition, register before 30 November 2007. The final event will take place in March 2008 at the University of Innsbruck in Austria.

More information:

www.explora-science.net/wettbewerb

Until 12 December 2007

Many UK venues

Lectures: Institute of Physics schools lecture series 2007

The science of light and colour is fantastically important in an enormous number of areas: from observing and understanding the Universe in astronomy; to diagnosis and treatment processes in medicine; to efficient communications and signal processing in industries.

The Institute of Physics 2007 schools lecture will be presented by Dr Pete Vukusic, a researcher and lecturer at the University of Exeter's School of Physics. He is one of the leading scientists in the world involved in broadening our understanding of how nature uses and controls the flow of light and colour.

'Light Fantastic: the Science of Colour' will open pupils' eyes to the basic concepts of the science of light and colour, and show how technology is making the most of light's astonishing properties. This presentation will include demonstrations, hands-on activities and movie clips to help shed light on the science of colour. The lecture lasts an hour and is suitable for students aged 14-16.

More information: www.iop.org

23-26 October 2008

Berlin, Germany

Science teaching festival: National Science on Stage festival

Science teachers are invited to submit proposals to participate in the first national Science on Stage festival in Berlin, organised by Science on Stage Germany and THINK ING. Three hundred teachers from Germany and other European countries will present teaching projects and experiments in a fair and discuss innovative methods in workshops. The festival programme also includes scientific talks, exhibitions at the science and research institutes in Berlin, as well as on-stage performances.

All proposals should be submitted via the appropriate national steering committee. To find the national steering committee contact in your country, consult the international Science on Stage website. The deadline for proposals is 25 May 2008 and the working language is English.

More information:

www.science-on-stage.de

Contact: info@science-on-stage.de

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@novartis.com

All year

Schools and other venues in England
Roadshow: Cool Seas

Run by the Marine Conservation Society, the Cool Seas Roadshow will visit 150 primary schools throughout England between September 2006 and March 2008. It entertains and educates primary- /junior-school children about England's spectacular marine wildlife, using life-size inflatable models of whales, dolphins, sharks, turtles, seals and porpoises in dynamic presentations given by a marine

wildlife education specialist. The roadshow takes a full day at each school, and is free.

Each school that is visited receives printed materials and web-based resources, including an activity booklet and bookmark for every pupil, and a poster for every classroom. The web-based resources can be viewed here: www.mcsuk.org/coolseas

The project also has funding for 37 visits to English venues other than schools, mostly in summer 2007. If you have a large and suitable audience who would like a visit from the Cool Seas Roadshow, please get in touch.

More information:

www.mcsuk.org/mcsaction/education/cool+seas+roadshow

Contact: *Angus Bloomfield*
(angus.bloomfield@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) and costs £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. The programme is for high-school students interested in sciences but not confident enough to enrol in undergraduate studies, due to social and cultural hindrances. The organisation offers 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 in April 2007, and many more expected in August and October 2007). The most dedicated participants in the programme are offered the chance to take part in a summer camp during the Paris-Montagne science festival (21-25 July 2007).

More information:

www.scienceacademie.org

All year

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

Free teacher previews

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, website and contact email address to editor@scienceinschool.org

