

'This is what CPD is all about'

- Summer Schools 2007 a great success:



Delegates once again rated Summer Schools in biology, chemistry, physics and primary science as highly successful. Funding was provided by the Scottish Executive through the *Support for Science Education through CPD* project to enable project partners¹ to organise and run the events. One hundred and five teachers and technicians from across Scotland attended the four Summer Schools, held in May and June. The photographs and quotes provide a flavour of some of the activities offered by the Summer Schools.

PGDE Science students from the Universities of Aberdeen, Edinburgh, Glasgow, Paisley and Strathclyde also had the opportunity to meet and work together at a residential school. 180 biology, chemistry and physics PGDE students came together in Edinburgh in early June. The programme provided opportunity for these new entrants to teaching to start to build professional networks as well as an introduction to high-quality CPD.

Best cpd a biology teacher could do.

These activities will have a real impact on my teaching.

Practical and networking sessions are excellent.

Got me thinking about my teaching, especially through talking to others.

It was brilliant to receive so many new ideas and resources--it has inspired me to have the confidence to share my new approach with colleagues.

Would highly recommend to others.



Supporting Scottish Science Education through CPD project: continuation of funding for 2007 – 2008

SSERC and its partners are delighted to announce that the Scottish Government has provided funding to continue the project *Supporting Scottish Science Education through CPD* until the end of March 2008. Under the umbrella of this project, a number of initiatives will continue to evolve:

- CPD for Support Staff Project
- Residential events (in 2 parts) for teachers and technicians (biology, chemistry, physics, cross-science, primary science)
- Experiential workshops for teachers and technicians
- Leadership Courses for new and aspiring Heads of Faculty

- PGDE Residential Schools
- ASE Scotland/Good Practice conference

For further information, see :-
SSERC website :- <http://www.sserc.org.uk>
or E-mail :- sheila.maclellan@sserc.org.uk



¹ Development to Update School Chemistry (DUSC), Science & Plants for Schools (SAPS), Scottish Initiative for Biotechnology Education (SIBE), Institute of Physics (IOP) and The Association for Science Education for Scotland (ASE - Scotland)

CPD for Excellence - Events at Glasgow Science Centre

Glasgow Science Centre offers an exciting programme designed to improve teacher knowledge and provide inspiration for teaching science using cross-cutting themes.



The Polymerase Chain Reaction: (Advanced Higher Biology) **23rd October 2007, 9:45am-3:30pm. Cost: £12 +VAT**



Expert virologists from the Medical Research Council will guide you through this practical workshop and share their experience of working in virology research.

Meet the Gene Machine

(S3-S6) (Standard Grade, Higher Biology, Modern Studies & Religious, Moral & Philosophical Studies)

Sep - Dec 2007. FREE EVENT – sponsored by the Wellcome Trust



- Lively pupil discussion event designed to stimulate debate about the ethical implications of recent advances in medical genetics.
- Teacher CPD twilight session with support materials to extend learning in the classroom.

Astronomy. Planet Earth: Astronomy (P1-S3)

30th Oct 2007 or 5th Feb 2008, 9:30am-3:00pm. Cost: £25 +VAT

Working with our expert astronomer you will participate in an immersive and engaging series of workshops that will revitalize the teaching of astronomy.

**Planet Earth: Astronomy
Twilight Session (P1-S3)
20th Nov 2007 or 19th March
2008, 4:00-6:30pm.
Cost: £15 +VAT**



Photo Credit NASA

To book any of the above CPD courses, call 0871 540 1003 or email laura.murray@glasgowsciencecentre.org

Visit www.glasgowsciencecentre.org for full details of their education programme and sign up to their e-newsletter to receive information on future CPD events.

Unlocking Creativity in Science (S1-S6), 28th Nov 2007 or 7th Feb 2008, 9:30am-12:30pm. Cost: £30 +VAT

Presenter: Dr. Carolyn Yates, Director of Cognitive Acceleration Programmes. This session will give all secondary science teachers practical ideas to help meet the challenges of developing the four capacities outlined in 'A Curriculum for Excellence'.



Winter Night Sky: Adult Education Night Class (GTC Accredited)

22 Oct - 19 Nov 2007 (Mondays), 7:00pm - 9:00pm. Cost £45 +VAT

This five-week beginners' guide to astronomy is presented in association with the University of Glasgow's Department of Adult and Continuing Education and presented under the glittering stars of the ScottishPower Planetarium.

To book this course only, call 0141 330 1835 or visit www.gla.ac.uk/adulteducation/



Education opportunities at Sensation, Dundee Science Centre



As a member of the Scottish Science Centres Network, Sensation exists to offer support to science learning and teaching in the region and across Scotland. The education programme offers engaging science and technology experiences for nursery, primary and secondary groups, both in the centre and in schools. A wide outreach programme is available for delivery in your school (incl. out of school clubs and science fairs), and all sessions are designed to support the capacities of *A Curriculum for Excellence*. For the activities available, see www.sensation.org.uk website with downloadable free materials, classroom posters and activities.

Teacher opportunities

Teacher familiarisation visits to Sensation's exhibition are always free of charge, during all opening hours including weekends.

Teacher placements: placements of up to five days at Sensation are available for primary and secondary teachers, in conjunction with Careers Scotland.

School staff team building: Sensation offers a relaxed yet inspiring location for fun, science-themed team building activities. Call Michelle on 01382 868603 for details.

Upcoming lecture - An Inconvenient Truth 12th October 2007

Humanity is sitting on a ticking time bomb. If the vast majority of the world's scientists are right, we have just ten years to avert a major catastrophe that could send the entire planet into a tail-spin of epic destruction involving extreme weather, floods, droughts, epidemics, and killer heat waves beyond anything we have ever experienced.

Ian Marchant, CEO of Scottish and Southern Energy plc, will give a local perspective on Al Gore's famous lecture. For info, please call 01382 868603.



A popular download

Molecular Machines sci-art exhibition:

4th September 2007 – 6th January 2008

With their beautiful structures and terrible effects, viruses are an intriguing area of research. *Molecular Machines* is a collaboration between scientists from the Medical Research Council Virology Unit and artist Murray Robertson, using images from virus research. The MRC Virology Unit employs state-of-the-art molecular and structural biology techniques to investigate viruses, building knowledge that will lead to the development of more effective treatments for viral disease - www.molecularmachines.org.uk



The Adenovirus



At a DNA Workshop (Fotopress)

Coming soon - International Polar Year

Schools activities in the amazing new *Magic Planet auditorium*. Sign up for Sensation emailings for details.

Magic planet auditorium



For events, activities & education enquiries, phone 01382 868609 or sign up for online email updates and to read Sensation's HMIE report.