

Institute of Physics Teacher Network: London Area

Autumn 2009 Newsletter

Have you passed this round?

London Network news

One-day CPD for non-specialist teachers of physics

In early July about 60 teachers enjoyed attending our free CDP days at 4 venues:

- Burntwood School, Wandsworth,
- Trinity Catholic High School, Woodford Green,
- St Gregory's RC Science College, Kenton, and
- Sydenham School, Lewisham.

At each school the programme was:

- Teaching electricity
- Teaching radioactivity
- All day physics: breakfast, dinner and tea!
- Engaging students with the electromagnetic spectrum

There was also plenty of time to chat to other teachers.

We would like to thank the host schools for their hospitality and help in running the workshops.



More photos of these cpd events on the next page.

Moving on

This summer we have both decided to move on to new pastures. Peter will be tutoring SASP Physics at the Science Learning Centre in London, while Frances is moving to Cumbria.

Institute of Physics

Physics Teacher Network

A national network to support all those who teach physics in schools

Our main aims are to

- Establish ways for London physics teachers to communicate.
- Support non-specialists teaching physics at KS3 and especially KS4.
- Set up university and industry contacts that help with physics education and encourage students to continue studying physics.

Partly as a result of Peter Campbell & Frances Green leaving, the IOP is now seeking new Teacher Network Coordinators for London.

If you would like to work part-time for the IOP supporting London teachers, contact the Network's national coordinator, Gary Williams gary.williams@iop.org

Thank you for your support in recent years.

Peter Campbell & Frances Green

Free software

Fusion, Power for Future Generations

A wealth of animations, movies, pictures & text on the principles of fusion energy and fusion research. Available free from the EFDA website

<http://www.efda.org/multimedia/index.htm>

Teacher events CPD

IOP Physics Update

11-13 December 2009
University of Cambridge

For practising teachers of physics and science.

- lectures on innovations in physics & the curriculum.
- 'hands-on' workshops: try new equipment & develop new skills.

Contact: Manchi Chung

Email: Manchi.Chung@iop.org

NSO Teacher Workshops - 2009 UK Tour

The National Space Observatory is running 6 free one-day teacher workshops this term. The workshops focus on the delivery of astronomy-related content to key stages 3 and 4.

<http://www.schoolsobserver.org.uk/iya2009/nsotour/>

Science
LEARNING CENTRES



London SLC courses

A £200 Impact Award is available for the courses below:

Physics for Non-specialists (KS3 & KS4) Tuesday 22 Sept

Action Research for Physics Programme Wed 11 Nov

Active Approaches in A-level Physics Thurs 26 Nov

Triple Science Physics Wed 9 December

Further information:

www.sciencelearningcentres.org.uk/?page=5

Teacher events CPD continues



The ASE Annual Conference

University of Nottingham
Thurs 7 – Sat 9 January 2010

The best CPD you can find in the world of science education. A huge programme of talks, major exhibition of publishers, apparatus suppliers etc. A great meeting place too! Worth any effort involved in getting there.

Details: www.ase.org.uk

Events for students

Royal Institution

school lectures

Electrifying magnets

Ian Dunne, Wed 30 September

Light Fantastic - the science of light and colour

Separate times for KS3 & KS4
Dr Pete Vukusic, Wed 11 Nov

Gemini Observing competition

for years 11,12 & 13

<http://gemini.physics.ox.ac.uk/ObservingCompetition>

Deadline for entries 16th Oct

Grants

The Royal Astronomical Society gives grants for events, exhibitions or other activities related to 2009 International Year of Astronomy.

www.astronomy2009.co.uk/index.php/funding-mainmenu-65

Information on the many services available from the IOP Education Department:
www.iop.org/activity/education/index.html

Teaching resources

Virtual Experiments

This website enables students to do real experiments online. Recommended at the IoP Annual Physics Teachers' conference.

<http://smpe119.reading.ac.uk/>

It makes you think!

A new ASE website provides resources & lessons to illustrate global dimensions of science. Ten topics.

www.ase.org.uk/html/ase_global/ltr2009/itmakesyouthink/

Take your classroom into space education kit

www.esa.int/SPECIALS/OasIS_S_Mission/SEMNDV00WUF0.html

More photos from July's cpd workshops ...



URLs made simple

Bookmark the IOP Teacher Network London webpage and download electronic copies of this Newsletter.

www.iop.org/activity/education/Teacher_Support/Teachers_Network/London/page_52_67.html