

IOP Institute of Physics Teacher Network

East Midlands Network Day
(for anyone teaching or supporting physics)
Saturday, 18th September 2010
Leicester Grammar School

- 10.00 Coffee
- 10.20 Introduction
- 10.30 Lecture: 'Particle Physics and the Large Hadron Collider' - Professor James Stirling, University of Cambridge.
- 11.30 Workshop 1 *
- 12.15 LUNCH
- 13.15 Workshop 2 *
- 14.00 Workshop 3 *
- 14.45 Plenary and Raffle
- 15.00 CLOSE

Please choose 3 workshops from the following list:

Lights, Camera, Images

The workshop will look at a variety of activities for use in the classroom when teaching, light, colour and spectra. Participants will find out how to make 3-D images and look at the use of a visualiser. There will be hands-on activities and each participant will be given a CD with all the information needed to use the workshop ideas in their own classroom.

Ruth Wiltsher, Alison Alexander IOP Teacher Network Coordinators (KS 3-5)

Encouraging group work in Physics lessons

This workshop will provide you with some paper based Physics resources which encourage co-operative group work within the classroom. It will expand your teaching repertoire with techniques that are easy to implement. The session will cover techniques such as 'Jigsaw', 'Maps from memory' and 'Pictures from text'.

Neal Gupta IOP Teacher Network Coordinator (KS 3-5)

WiiPhysics

This workshop will demonstrate how Nintendo Wii Game controllers can be used as cheap datalogging systems. Martyn will describe the free software that he has written (WiiPhysics) in order to gather data from Wii controllers. There will be an opportunity to try some hands on demos so that teachers can see the capabilities of the game controllers as datalogging systems.

Martyn Wheeler, Head of Science, Leicester Grammar School (KS3-5)

Toys and Physics

Rightly or wrongly, students like to be 'entertained' these days. Many physics teachers love using 'gizmos' to illustrate concepts in their lessons. Come and get hands-on with some of the 'toys' (based on physics) that Terry uses to make his physics lessons fun, memorable and exciting.

Terry Horsman IOP Teacher Network Coordinator(KS 3 and 4)

If you would like to come, please complete the attached form and email or post to:

Mrs Alison Gupta, 88 The Hollow, Littleover, Derby, DE23 6GL

Tel: 07723 088025

Alisongupta@rocketmail.com

There is no fee required this year, as the IOP will cover costs of all refreshments including lunch, and workshop costs. Please remember that places are limited by workshop size and once booked, you must let Alison know if you are unable to attend, so that she can invite another teacher to fill your place.

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PLEASE COMPLETE THE FORM IN BLOCK CAPITALS

TITLE	Mr	Mrs	Ms	Dr	Other
NAME					
JOB TITLE					
SCHOOL					
STUDENTS' AGE RANGE			NUMBER OF PHYSICS/SCIENCE STAFF		
GCSE SYLLABUS			A LEVEL SYLLABUS		
SCHOOL ADDRESS					
	TOWN				
	COUNTY				
	POSTCODE				
TELEPHONE					
E MAIL ADDRESS					
		@			
WORKSHOP PREFERENCES	1.			<u>Admin Use Only</u>	
	2.				
	3.				

Please email or send your completed form to:

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