



Physics for Non Specialists

For Teachers of KS3 and GCSE Science and Physics

Date: Friday 22nd June 2012

Time: 9.30am – 3.30pm

Cost: £100 + VAT

Location: National Space Centre, Leicester

Lunch included

For more information, or to book a place on this CPD session, please contact Dr Sarah Hill, National Space Academy Project Manager: sarahh@spacecentre.co.uk

The National Space Centre and the European Space Agency are holding a series of science teacher CPD events at the National Space Centre from July 2010 onwards. Based on activities developed as part of the Space Academy programme, these INSETS are all-day teacher masterclasses focused on enhancing attendee subject knowledge as well as providing a host of relevant curriculum-focused hands-on activities that can be implemented immediately in the classroom.

Attendees will also receive access to over 500MB of digital resources to accompany the course and will have the opportunity to see “We are Astronomers”, the official 2009 International Year of Astronomy “fulldome” planetarium show produced by the National Space Centre. Curriculum topics covered include:

- Gravity and Newton’s Laws
- Energy
- The electromagnetic spectrum + uses of
- Wave phenomena
- States of matter including gas laws
- Space exploration and the Universe

This course is suitable for specialists and non-specialists alike.

Course tutor:

Anu Ojha has been Director of Education and Space Communications at the National Space Centre, Leicester since 2008. Awarded Advanced Skills Teacher (physics/science) status in 2003, he was formerly Assistant Headteacher (Director of Science and Mathematics) at the largest Specialist Science College in the UK as well as a Triple Science Lead Practitioner (Physics) for the Specialist Schools and Academies Trust.

He has presented sessions at NASA conferences at Johnson Space Center (2008-2010) as well as at the 2010 and 2011 ESA (European Space Agency) Teacher Conferences held at ESTEC. Anu also contributed to the UK Space Agency’s Space Exploration Review (BNSC 2009), ESA/EU workshops on future exploration strategies (2010) and has worked on ESA projects focused on the SOHO mission and ESA’s Virtual Observatory.

In 2010 Anu was selected to be an ESA “space ambassador” for the UK Space Education Office (2010-present) and was also awarded the Sir Arthur Clarke Award for Inspiration by the UK space industry.

Other roles currently include STFC’s Science in Society Advisory Panel and the National Centre for Earth Observation’s (NCEO) Advisory Group (education and outreach).