



# Physics for Non Specialists

## For Teachers of KS3 and GCSE Science and Physics

**Date:** Tuesday 27<sup>th</sup> march 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](mailto: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:**

Sophie Allan is the Space Academy Education Officer at the National Space Centre in Leicester. She studied Physics with Astrophysics at the University of Leicester, where she was also Vice President of LeSEDS (Leicester Students for the Exploration and Development of Space).

After graduating she stayed at Leicester to complete a PGCE in Science and worked as a specialist Physics teacher in Leicester City Schools.

In 2010 she was asked to lecture at the European Space Camp in Norway and was invited back in 2011 to repeat these lectures and work as team-leader for the atmospheric physics group.

As well as teaching programmes for the Space Academy, she is also actively involved in the development of new curriculum focused STEM masterclasses and activities with a particular specialism in GCSE Astronomy and Applied Science.

**For all full-time teachers, bursaries (£200 per participant) are available to cover course and supply/travel costs. These are subject to post-INSET evaluation completion.**