

Introduction to the Physics Residential Course

The Physics Residential course aims to help teachers to implement current curricular developments through innovative, practical workshops. Laboratory sessions are supported by talks from highly respected speakers such as Heather Reid.



CPD can be frustrating when new ideas require equipment that may not be available in school. To counter this, the SSERC Physics Residential Course supplies delegates with valuable resources to take away to use in class. Another key feature is the gap task, where participants report in part two of the course on a classroom activity they have undertaken as a consequence of part one. Invariably, dozens of new ideas are sparked off.

Workshops and talks include:

- Enhancing Learning and Teaching Through Video- Look at ways of using a camcorder in the class. Learn to make short video clips. Take away a mini camcorder so that you can use your new skills at school.
- Outdoor Physics- Use your knowledge of physics to survive in the wilds. Explore sustainability themes whilst teaching heat transfer.
- Smart Materials- Build a sensor that works by quantum tunnelling, investigate smart wire and ultraviolet-sensitive beads. This workshop relates directly to a Curriculum for Excellence outcome on novel materials.
- Thoughtful ICT- Join Tom Dickson to explore how ICT can be used actively to make your pupils think. A massive library of video clips will be supplied.
- Pimp My Trolley- Like Pimp My Ride, but with a trolley, and a road safety theme.

The residential nature of the course encourages formal and informal discussion. Contacts and indeed friendships are forged. Many delegates find the influence of the CPD goes beyond their own classroom, department and school.

