

## Getting Practical!

**Getting Practical\*\***, funded by the DCSF, is a programme of professional development for science educators at all levels. The programme is open to teachers at primary and secondary level as well as technicians and higher level teaching assistants. Professional development sessions will be available in your local area from January 2010. For more information about Getting Practical, look out for our logo and visit our stand at the exhibition or visit [www.gettingpractical.org.uk](http://www.gettingpractical.org.uk).

**Practical science** is a key feature at the conference and Getting Practical would like to highlight selected sessions from our partners and other science education organisations:



Getting Practical

### Getting Practical Partner Sessions

#### Thursday

**0930 IOP: New Ideas?**  
(Institute of Physics)

**0930 IOP: Variety 3 Some New Ideas for Physics Lessons**  
(Institute of Physics)

**1100 Identifying, Assessing and Meeting CPD Needs**  
(National Science Learning Centre)

**1130 IOP: Lights, Camera, Images: Ideas for Teaching Light, Colour and Spectra**  
(Institute of Physics)

**1130 IOP: Using Radio Kits for KS4 "Wave Model of Radiation"** (Institute of Physics)

**1400 Chemistry for Non-Specialists: Lecture Demonstration**  
(Royal Society of Chemistry)

**1400 IOP: "What Happens Next?" Experiments for All (Secondary)** (Institute of Physics)

**1400 IOP: Voicebox: The Physics of Human Sound Production** (Institute of Physics)

**1400 More Strange & Weird Materials for Wow Factor Science** (Gatsby Science Enhancement Programme)

**1600 IOP: Practical Ideas Enhancing Learning in Physics (1)** (Gatsby Science Enhancement Programme)

#### Friday

**0930 How Chemistry Works**  
(Royal Society of Chemistry)

**0930 Innovations in Practical Work: Making Sense of Energy**  
(Gatsby Science Enhancement Programme)

**0930 IOP: Construction of Compressed Air-Powered Rocket Launcher for Primary Teachers** (Institute of Physics)

**0930 IOP: Journey Through the Cosmos: Inspiration and Help with Teaching Astronomy**  
(Institute of Physics)

**0930 IOP: SPT14-16 Prevision**  
(Institute of Physics)

**0930 IOP: Teaching Physics Using Youtube and Hollywood**  
(Institute of Physics Teacher Network)

**0930 Smarter Schools: An AZSTT Funded Project 2009**  
(Centre for Sci Edu, Sheffield Hallam University)

**1100 Developing Your Practical Science Skills; For Teachers and Technicians** (CLEAPSS)

**1100 Learning Skills for Post-16 Sciences** (Gatsby Science Enhancement Programme)

**1130 Blended Media Support for How Science Works at KS3**  
(Sheffield Hallam University)

**1130 Fun in Physics for Low Ability Pupils**  
(Davison High School for Girls)

**1130 IOP: "What Happens Next?" Experiments for All (Primary)** (Institute of Physics)

**1130 Technicians Focus: Ecology and Evolution in Petri Dishes (repeated Fri 1530)**  
(Institute of Biology)\*

**1400 Developing Your Practical Science Skills; For Teachers and Technicians** (CLEAPSS)

**1400 IOP: Practical Ideas Enhancing Learning in Physics (2)** (Gatsby Science Enhancement Programme)

**1400 New RSC Resources for Teaching Organic Chemistry**  
(Royal Society of Chemistry)

**1400 Science and Design and Technology** (National Science Learning Centre)

**1530 Technicians Focus: Ecology and Evolution in Petri Dishes (repeat)**  
(Institute of Biology)\*

**1600 Creative Science Enquiry**  
(Science Learning Centre North East)

**1600 Smart Science: New Resources to Complement the Original Pack!** (Centre for Sci Edu, Sheffield Hallam University)

**1600 WOW: Interactive Starters to Lessons**  
(Science Learning Centre South West)

#### Saturday

**0930 Discover Molecular Interactions: Inspirational Learning Games**  
(Royal Society of Chemistry)

**0930 IOP: Further Simple Physics Investigations**  
(Institute of Physics)

**0930 IOP: TOYS: An Extravaganza of Toys That Teach** (Institute of Physics)

**1100 Making Progress with Science Enhancing Practicals**  
(Gatsby Science Enhancement Programme)

### Practical Science Sessions from Other Organisations

#### Thursday

**1130 Primary Science Outside of the Classroom**  
(British Science Association)

#### Friday

**0930 Border Crossings: Cognitively Challenging Science Activities That Bridge Between the Outdoors, Maths and Formative Assessment**  
(King's College London)

**0930 Forensic Science: Forensic Ecology**  
(Forensic Outreach)

**1130 Ecology Experiences for Interactive Whiteboards, Laptops and Computer Labs**  
(Newbyte Educational Software)

**1130 Ready to Use Investigations for Learning Outdoors**  
(Gatekeeper Educational Ltd.)

**1500 Practical, Fun and Meaningful Science for Young Children** (Bishop Grosseteste University College Lincoln)

#### Saturday

**0930 Beyond Classroom Boundaries: Using Outdoors for Smart Learning in Science**  
(Primary Science Consultant)

**1100 Indoors Outdoors**  
(Educational Development Service Warwickshire)

**1400 Practical Radioactivity Using 'Everyday' Items that Happen to be Radioactive** (ASE Safeguards in Science Committee)

**0930 IOP: TOYS: An Extravaganza of Toys That Teach**

Saturday 0930



\*\*Getting Practical - Improving Practical Work in Science Programme is funded by Department of Children, Schools and Families with coordinating partners The Association for Science Education, CLEAPSS, National Network of Science Learning Centres, Centre for Science Education at Sheffield Hallam University and contributing partners the Specialist Schools and Academies Trust, Institute of Physics, Institute of Biology (Institute of Biology is a trading name of The Society of Biology)\*, Royal Society of Chemistry, Gatsby Science Enhancement Programme, National STEM Centre with support from Science Community Representing Education (SCORE), the Royal Society and Gatsby Science and Plants for Schools. The independent evaluators are the Institute of Education at the University of London.

\*Members of the UK's two leading biology organisations, the Institute of Biology and the Biosciences Federation have voted overwhelmingly in favour of unification to form a single organisation, The Society of Biology. The forthcoming integration scheduled, for completion in autumn 2009, offers a unique opportunity to create the leading organisation for biology in the UK. For more information, see: [www.newbio.info](http://www.newbio.info)