Saturday Booked Courses

BC44 IOP: Encouraging Group Work in Physics Lessons 1 (repeated)
Neal Gupta, Institute of Physics
0930-1030 £free
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', 'Inductive teaching' and 'Pictures from text'. So if you want to learn some new techniques for group work, this workshop will give you plenty of ideas.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Physics

BC45 IOP: Further Simple Physics Investigations 1 (repeated)
Steve Hearn, Institute of Physics
0930-1030 £free
This session brings a new batch of Science Enhancement Programme (SEP) resources to enable you to carry out interesting and fairly challenging physics experimental investigations. Some SEP resources will be available for participants to take back with them (subject to availability). The session is aimed at the 14-18 age range.
Discipline: Teaching & Learning
Target audience: 14-16, Post 16, ITE, Physics

BC46 IOP: Son of New Ideas 1? (repeated)
Gary Williams, Institute of Physics
0930-1030 £free
This session consists of 19 more ideas that are either new or re-workings of an old gem, in the style of the original "New Ideas?" Participants receive a hand-out containing further details about the ideas and where to get the apparatus. The age range for which the ideas would be suitable for using in the classroom varies but the majority would be KS3 and KS4. Mode of delivery also varies, some ideas are for demonstrations, some are suitable for coursework etc.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians, Advisors, Physics

BC47 IOP: TOYS: An Extravaganza of Toys That Teach 1 (repeated)
David Featonby, Ronna Montgomery, Terry Horsman, Sue McGrath, Institute of Physics
0930-1030 £free
An Institute of Physics Teacher Network Workshop. Teacher Network coordinators come together with a variety of toys, some big, some small, that have been used at all levels to stimulate and excite pupils, and enhance learning, - from flying machines to footballs, magnets to magic, tops to tambourines, and balloons to bazookas. We shall discuss ways in which they can be used, and the principles of physics which lie behind so many. There may even be the chance to try some out for yourself. Each session will be slightly different.
Discipline: Teaching/Learning
Target audience: 5-7, 7-11, 11-14, 14-16

BC48 Science Museum Learning: Supporting Inspirational Secondary Classroom Science
Libby Burkeman, Sam Spicer, Science Museum, Maria Hogan, Science Museum/ Science Learning Centre London
0930-1030 £10
A taster of the Science Museum's inspirational hands-on resources developed to support classroom teaching and clubs. Tried and tested with teachers around the country, this session will offer a chance to explore some of our free, curriculum-linked science and STEM activities for yourself.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, ITE

BC49 Earth: Working With Rocks and Soils (KS2)
ESTA Primary Group representatives
0930-1100 £35
Try sorting minerals by devising and discussing criteria, then use the knowledge gained to work through rock identification at different levels with the ESTA kit of 15 rocks. Test rock porosity and make your own well. Next consider the erosion of rocks and the formation of soils. Observe differences in porosity/permeability, colour, texture and composition of various soils and link this to their origins. (QCA Unit 3D – Rocks and Soils). TAKE AWAY TOUR OWN ROCK KIT AND TEACHING PACKS.
Discipline: Teaching & Learning
Target audience: 5-7, 7-11, ITE, Advisors, Enviro/Earth

BC50 Optical Fibre Telecoms (Pre-Training Soldering Techniques for those taking Booked Course in Optical Fibre Technology) (only for those booked onto Optical Fibre Telecoms Sat 1100)
Dr David Ward, Paul Titchmarsh, Rik Whittaker, The STEM Centre
1015-1100 £free
A session that is designed for participants to acquire skills to undertake soldering necessary to assemble in demonstration - optical fibre technologies telecoms.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians

BC51 Forensic Science: An Easy and Effective Exercise
Kimberlee Moran, Forensic Outreach
1100-1300 £20
Learn the basic principles of forensic science and take part in a fun practical exercise that is easy to repeat at school. This session will provide participants with a PowerPoint presentation and all the handouts and instructions to run this tried-and-tested exercise that covers fingerprinting, scenes of crime, evidence collection, footwear, DNA profiling, and ecology.
Discipline: Teaching & Learning
Target audience: 14-16

BC52 Indoors Outdoors
Linda Atherton, Lesley Grey, Educational Development Service Warwickshire
1100-1300 £30
This interactive workshop will explore how to engage and inspire young children to think and act like scientists. During the session we will investigate how to set up interactive areas in and outside your setting which will bring science to life and challenge children's thinking and communication skills. Each participant will receive a resource pack full of practical ideas on how to help support early years science.
Discipline: Teaching & Learning
Target audience: 0-4, Advisors

BC53 INSPIRING PRIMARY SCIENCE! Novel & Fun Ways to Engage Your Pupils!
Dr Mark Biddiss, Dr Mark's INSIPREscienceTM
1100-1300 £37.50
This lively and "inspirational" session especially for PRIMARY teachers – one of our best attended over the last five ASE Annual Conferences - is packed full of practical demonstrations of novel 'hands-on' science investigations, experiments, 'tricks' and other activities which help you put the 'WOW!-Factor' into your lessons, and engage your pupils – especially the 'reluctant' ones! Featured on Teachers' TV, Dr Mark's activities will stimulate creative thinking, and get all your pupils thinking and talking 'scientifically'! Teachers' resources provided worth £89 full RRP!
Discipline: Teaching & Learning, Curriculum Development
Target audience: 0-4, 5-7, 7-11, Advisors

BC54 Optical Fibre Telecoms
Dr David Ward, Paul Titchmarsh, Rik Whittaker, The STEM Centre
1100-1300 £25
This session is based around a kit that demonstrates the principles of optional fibre technology. Participants will assemble and solder their own kit to take away. If you are a novice at soldering, please also book onto BC?? which starts 45mins before this course to practice your skills.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians

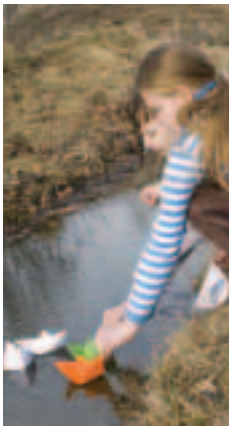
BC55 Primary Science is Fun: Enjoyment and Challenge
Alan Cross, Department of Education, University of Manchester, Adrian Bowden, Travelling Science Ltd
1100-1300 £30
This workshop will give you the opportunity to try out some of the best activities to teach difficult concepts in primary science. Based on ideas from the recent publication 'Essential Primary Science' published by the Open University Press the authors will summarise the best ways to teach various aspects of primary science in challenging and yet enjoyable ways. Each participant will receive a copy of the book as part of the workshop.
Discipline: Teaching & Learning
Target audience: 5-7, 7-11

BC56 Wider Creativity in Practical And Other Activities in Science
Mike Driver, Strawberry Field Science Consultancy & Publishing
1100-1300 £37
This will involve practical, modelling and other activities, plus inputs and discussion on WIDER creativity going well beyond open-ended and thematic approaches. WIDER creativity is a characteristic of the MOST SUCCESSFULL teaching, as identified by OfSTED, and others. The session will draw on new resources CRISPSS, as well as scientific 'magic' and use of cheap toys as a stimulus. Participants will receive a Strawberry Field book of their choice (£30 value) or a £30 voucher against the cost of CRISPSS.
Discipline: Teaching & Learning, Curriculum Development
Target audience: 7-11, 11-14

BC57 IOP: Encouraging Group Work in Physics Lessons 2 (repeat)
Neal Gupta, Institute of Physics
1130-1230 £free
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', 'Inductive teaching' and 'Pictures from text'. So if you want to learn some new techniques for group work, this workshop will

BC57: Encouraging Group Work in Physics Lessons (2)

Saturday 1130-1230



Saturday 9 January Booked Courses continued

give you plenty of ideas.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Physics

BC58 IOP: Further Simple Physics Investigations 2 (repeat)
Steve Hearn, Institute of Physics
1130-1230 £free
This session brings a new batch of Science Enhancement Programme (SEP) resources to enable you to carry out interesting and fairly challenging physics experimental investigations. Some SEP resources will be available for participants to take back with them (subject to availability). The session is aimed at the 14-18 age range.
Discipline: Teaching & Learning
Target audience: 14-16, Post 16, ITE, Physics

BC59 IOP: Son of New Ideas 2? (repeat)
Gary Williams, Institute of Physics
1130-1230 £free
This session consists of 19 more ideas that are either new or re-workings of an old gem, in the style of the original "New Ideas?" Participants receive a hand-out containing further details about the ideas and where to get the apparatus. The age range for which the ideas would be suitable for using in the classroom varies but the majority would be KS3 and KS4. Mode of delivery also varies, some ideas are for demonstrations, some are suitable for coursework etc.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians, Advisors, Physics

BC60 IOP: TOYS: An Extravaganza of Toys That Teach 2 (repeat)
David Featonby, Ronna Montgomery, Terry Horsman, Sue McGrath, Institute of Physics
1130-1230 £free
An Institute of Physics Teacher Network Workshop. Teacher Network coordinators come together with a variety of toys , some big, some small, that have been used at all levels to stimulate and excite pupils, and enhance learning, - from flying machines to footballs, magnets to magic, tops to tambourines, and balloons to bazookas. We shall discuss ways in which they can be used, and the principles of physics which lie behind so many. There may even be the chance to try some out for yourself. Each session will be slightly different.
Discipline: Teaching/Learning
Target audience: 5-7, 7-11, 11-14, 14-16

BC61 IOP: Encouraging Group Work in Physics Lessons 3 (repeat)
Neal Gupta, Institute of Physics
1400-1500 £free
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', 'Inductive teaching' and 'Pictures from text'. So if you want to learn some new techniques for group work, this workshop will give you plenty of ideas.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Physics

BC62 IOP: Further Simple Physics Investigations 3 (repeat)
Steve Hearn, Institute of Physics
1400-1500 £free
This session brings a new batch of Science Enhancement Programme (SEP) resources to enable you to carry out interesting and fairly challenging physics experimental investigations. Some SEP resources will be available for participants to take back with them (subject to availability). The session is aimed at the 14-18 age range.
Discipline: Teaching & Learning
Target audience: 14-16, Post 16, ITE, Physics

BC63 IOP: Son of New Ideas 3? (repeat)
Gary Williams, Institute of Physics
1400-1500 £free
This session consists of 19 more ideas that are either new or re-workings of an old gem, in the style of the original "New Ideas?" Participants receive a hand-out containing further details about the ideas and where to get the apparatus. The age range for which the ideas would be suitable for using in the classroom varies but the majority would be KS3 and KS4. Mode of delivery also varies, some ideas are for demonstrations, some are suitable for coursework etc.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians, Advisors, Physics

BC64 IOP: TOYS: An Extravaganza of Toys That Teach 3 (repeat)
David Featonby, Ronna Montgomery, Terry Horsman, Sue McGrath, Institute of Physics
1400-1500 £free
An Institute of Physics Teacher Network Workshop. Teacher Network coordinators come together with a variety of toys, some big, some small, that have been used at all levels to stimulate and excite pupils, and enhance learning, - from flying machines to footballs, magnets to magic, tops to tambourines, and balloons to bazookas. We shall discuss ways in which they can be used, and the principles of physics which lie behind so many. There may even be the chance to try some out for yourself. Each session will be slightly different.
Discipline: Teaching/Learning
Target audience: 5-7, 7-11, 11-14, 14-16

BC67 Things That Fly

Saturday 1530-1630

BC65 INSPIRING SECONDARY SCIENCE! Novel Ways to Engage Your Reluctant KS3 Pupils!
Dr Mark Biddiss, Dr Mark's INSIPREscienceTM
1400-1600 £37.50
This lively and "inspirational" session especially for SECONDARY teachers – one of our best attended over the last five ASE Annual Conferences - is packed full of practical demonstrations of novel 'hands-on' science investigations, experiments, 'tricks' and other activities which help you put the 'WOW!-Factor' into your lessons, and engage your KS3 pupils – especially the 'reluctant' ones! Featured on Teachers' TV, Dr Mark's activities will stimulate creative thinking, and get all your pupils thinking and talking 'scientifically'! Teachers' resources provided worth £89 full RRP!
Discipline: Teaching & Learning, Curriculum Development
Target audience: 11-14

BC66 Writing for ASE: Get Yourself Published (repeat)
Bob Kibble, Valerie Wood-Robinson, ASE Publications Committee, Editors of Journals, Publications Committee members
1400-1600 £free
Articles in ASE journals and ASE books and web resources are written by folk like you. The workshop will consist of two parallel sessions, for journals and books, to give you practical experience in shaping your ideas for publication. ASE. Journal editors and members of the Publications Committee will help you develop your writing and take the first step towards publication. Bring your own ideas to the workshop. No matter how basic they are, we'll work on them with you.
Discipline: Teaching & Learning, Curriculum Development
Target audience: 0-4, 5-7, 7-11, 11-14, 14-16, Post 16, ITE. Advisors, Technicians

BC67 Things That Fly
Paul Titchmarsh, Ann Todd, Adrian Shipway, The STEM Centre
1530-1630 £24
Looking for ideas for your after-school clubs? Participants will make a range of flying objects that are 'cheap and cheerful'. Little preparation needed for the last minute lesson filler or fun at lunchtime session. Participants will take away a pack of prepared activities.
Discipline: Curriculum Development,
Target audience: 5-7, 7-11, 11-14

BC68 IOP: Encouraging Group Work in Physics Lessons 4 (repeat)
Neal Gupta, Institute of Physics
1600-1700 £free
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', 'Inductive teaching' and 'Pictures from text'. So if you want to learn some new techniques for group work, this workshop will give you plenty of ideas.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Physics

BC69 IOP: Further Simple Physics Investigations 4 (repeat)
Steve Hearn, Institute of Physics
1600-1700 £free
This session brings a new batch of Science Enhancement Programme (SEP) resources to enable you to carry out interesting and fairly challenging physics experimental investigations. Some SEP resources will be available for participants to take back with them (subject to availability). The session is aimed at the 14-18 age range.
Discipline: Teaching & Learning
Target audience: 14-16, Post 16, ITE, Physics

BC70 IOP: Son of New Ideas 4? (repeat)
Gary Williams, Institute of Physics
1600-1700 £free
This session consists of 19 more ideas that are either new or re-workings of an old gem, in the style of the original "New Ideas?" Participants receive a hand-out containing further details about the ideas and where to get the apparatus. The age range for which the ideas would be suitable for using in the classroom varies but the majority would be KS3 and KS4. Mode of delivery also varies, some ideas are for demonstrations, some are suitable for coursework etc.
Discipline: Teaching & Learning
Target audience: 11-14, 14-16, Post 16, ITE, Technicians, Advisors, Physics

BC71 IOP: TOYS: An Extravaganza of Toys That Teach 4 (repeat)
David Featonby, Ronna Montgomery, Terry Horsman, Sue McGrath, Institute of Physics
1600-1700 £free
An Institute of Physics Teacher Network Workshop. Teacher Network coordinators come together with a variety of toys, some big, some small, that have been used at all levels to stimulate and excite pupils, and enhance learning, - from flying machines to footballs, magnets to magic, tops to tambourines, and balloons to bazookas. We shall discuss ways in which they can be used, and the principles of physics which lie behind so many. There may even be the chance to try some out for yourself. Each session will be slightly different.
Discipline: Teaching/Learning
Target audience: 5-7, 7-11, 11-14, 14-16

Saturday Sessions by at-a-glance category

1115 Special Event

ASE Primary Science Lecture (including presentation of Primary Science Teacher of the Year Awards)
Sponsored by AstraZeneca Science Teaching Trust

AstraZeneca Science Teaching Trust

5-11

0930 Talk
It's Not Fair: A Practical Guide to Different Types of Science Enquiry (Primary Science Committee Session) (Members of Primary Science Committee) Practical exemplification of different enquiry types

0930 Drop-in
TTS Primary Science Workshop: Alan Tunnicliffe Memorial (Dr Sue Dale Tunnicliffe, Institute of Education) Hands-on science activities with everyday materials

0930 Talk
TTS Workshop: Beyond Classroom Boundaries: Using Outdoors for Smart Learning In Science (Rosemary Feasey, Primary Science Consultant) Come and be inspired to teach science differently

1130 Talk
Primary CASCADES (Steve Smyth, STEMNET) Integrating science and technology in primaries

1400 Talk
Creativity in Primary Science (Steve Smyth, STEMNET) Creative teaching ideas for primary science

7-11

0930 Talk
Light Fantastic: Sounds Exciting (Richard Ager, PrimaryViewPoint Training) Innovative ideas for teaching primary "Light and Sound" topics.

1130 Workshop
TTS Workshop: Creating Games in Excel and PowerPoint (Steve Marshall, London Borough of Barnet) Excel and PowerPoint for science games

14-16

0930 Talk
OCR Nationals in Science Redevelopment for Teaching in 2010 (repeat) (Richard Bowles, OCR) Learn about progress being made

1130 Talk
2010 NASA Space Settlement Design Contest at Johnson Space Centre (Dr Randall Perry, Imperial College/Youth Exploring Science) 2010 NASA Space Settlement Design Contest at Johnson Space Centre

1130 Talk
Twenty First Century Science GCSE Redevelopment, for Teaching in 2011 (repeat) (Stephen Diston, OCR) Learn about progress being made

1400 Talk
Gateway Science GCSE Redevelopment for Teaching in 2011 (repeat) (Carolyn Brawn, OCR) Learn about progress being made

Assessment

0930 Drop-in
Edexcel: GCSE 2011 & Extras and Alternative Qualifications Credit Where Credit is Due: Level 2 Qualifications in Science (Peter Canning,) Credit where credit is due – Level 2 qualifications in Science

0930 Workshop
Inside the Primary Black Box: A Science Perspective (Dr Chris Harrison, King's College London) AfL Science ideas to boost practice

1100 Workshop
APP Masterclass (Ed Walsh, National Strategies) Updating with latest developments in APP

Biology

0930 Workshop
Bio-Rad: Outbreak! Use Enzyme Immuno Assays to Track the Disease (Essy Levy, Bio-Rad Laboratories) Are you positive? Explore infectious diseases

0930 Workshop
DNA Fingerprinting Made Easy! (Dr Melanie Delaney, Edvotek Europe Ltd) DNA Fingerprinting in YOUR classroom!

1400 Workshop
Essential Skills and Processes of Biology: Observation and Drawing a Neglected Competence? (Sue Dale Tunnicliffe, Institute of Education and Institute of Biology) Drawing from observation, essential for biology

Chemistry

1130 Talk
Awesome Multimedia Tools for Teaching and Learning Organic Chemistry (Roger Frost, "Roger Frost's Organic Chemistry") Multimedia teaching tools for organic chemistry

Curriculum Development

0930 Drop-in
Edexcel: BTEC Applied Science: What's New and Pupil Opportunities (John Fincham) BTEC Applied Science: What's new and pupil opportunities

0930 Talk
The Open University's Young Applicants in Schools and Colleges Scheme: A User Guide (Kris Stutchbury, The Open University) OU YASS Scheme: a user's guide

0930 Talk
Triple Science (Robert Fairbrother, King's College London) Triple Science – its adoption in schools

1100 Talk
A Proposal to the Rose Review: Core Concepts to Improve the Primary (and Secondary) Science National Curriculum (Dr Francisco Diego, University College London) Proposal to the public consultation for the Rose Review to the National Curriculum

1100 Workshop
Developing Higher Order Thinking in the Everyday Classroom (Pat O'Brien, Independent Consultant) Higher Order Thinking in Everyday Classrooms

1130 Workshop
STEM Subject Choice and Careers: Enthusing Students, Equipping Professionals (repeat) (Pat Morton, Centre for Sci Edu, Sheffield Hallam University) STEM Careers in the Classroom

1130 Talk
The Use of Learning Communities to Develop New Teaching Materials (repeat) (Jan Apotheker, University of Groningen) Developing teaching materials using learning communities of teachers

Enviro/Earth

1130 Drop-in
Earth: Working With Rocks and Soils (KS2) (ESTA Primary Group representatives) Drop in workshop on rocks and soils

ICT & Techno

1400 Workshop
Death to 'Death by PowerPoint' (Edward Upton, Teachable.net) Interesting, interactive and instructive presentations

Leadership & Management

1130 Talk
Managing The Implications of a Modular Curriculum at GCSE and A-Level (Frances Evans, 11-19 committee) The implications of modular exams

1530 Workshop
CSciTeach Workshop for Interested Applicants (repeat) (Kathryn Thomson, ASE HQ) How to apply for and maintain CSciTeach status

Research

0930 Talk
Does this Workshop Come in Pink? (Natalie Ford, Science Oxford) Investigating gender in KS2 ICT workshops

0930 Talk
Pupils' Views of Science Talk and How They Learn Science (Martin Braund, University of York) Research into science talk

Teaching/Learning

0930 Talk
A Common Misconception (Ian Galloway, Science Learning Centre South East) Misconceptions and misunderstanding in secondary science

0930 Workshop
Data Harvest: It Was The Butler! (Barry Hawkins, Curriculum Writer, Data Harvest) Forensic science – circus of datalogging activities

0930 Workshop
Discover Molecular Interactions: Inspirational Learning Games (Dr Lorna Thomson, Royal Society of Chemistry) Discover Molecular Interactions: Inspirational learning games

0930 Talk
Effective Progression to AS Courses in Biology, Chemistry and Physics (repeat) (Julian Clarke, SNS Senior Adviser) continuing research which is being undertaken by the Secondary National Strategy

0930 Workshop
Explore It, Act It, Live It, Learn It (Wendy Precious, Staffordshire LA) Minds-on, hands-on, creative primary science

0930 Frontier Science

Can Chemistry Be Green?
(Prof. Martyn Poliakoff CBE FRS, School of Chemistry) An introduction to Green Chemistry

0930 Talk
New Resources for BTEC First Certificate in Applied Science (Nigel Heslop, Hodder Education) Presentation of student's and teacher's material

0930 Talk
Science Learning: A Three Stage Framework for Understanding and Enjoyment (Peter Loxley, University of Northampton) A puzzle-solving approach to teaching science

0930 Talk
SEPnet: Increasing and Sustaining Uptake in Physics (Charlotte Thorley, SEPnet) Exploring Physics uptake and interest issues

0930 Workshop
Short, Fun, Stimulating, Practical Starter Activities (Mike Driver, Strawberry Field Science Consultancy & Publishing) Short, fun, 'magical', PRACTICAL starter activities

0930 Workshop
Teaching Risk: A Workshop for Teachers at Key Stage 4 (Ralph Levinson, Institute of Education, University of London) Teaching risk through socio-scientific issues

0930 Frontier Science, Can Chemistry Be Green?

Saturday 9 January

0930 Workshop
The Explicit Teaching of Literacy in Science: Promoting High Levels in APP Using Writing Mats (Julia Leewood, Camden LA) The explicit teaching of literacy in science

0930 Talk
The Future for Assessment in Primary Science (Guest Speaker, QCA and APP Primary Science Development Team) QCA and APP Primary Science Development Team

0930 Talk
Waves on Custard & Dancing Flames? (Alex JS Marsh, Philip Harris Education) Exploring waves in unusual situations

0930 Workshop
WOW Factors in Secondary Science Lessons (Sue Howarth, Institute of Education / University of Worcester) Ideas developed by student Science teachers

0930 Workshop
Yes She Can! (Jill Collins, Centre for Sci Edu, Sheffield Hallam University) Create an inclusive STEM classroom environment

1100 Drop-in
Developing Your Practical Science Skills: For Teachers and Technicians (repeat) (Bob Worley, CLEAPSS) Hands-on Interesting Practical Work in Science

1100 Workshop
Making Progress with Science Enhancing Practicals (Kay Stephenson, Gatsby Science Enhancement Programme) Engaging, innovative ideas for effective learning

1100 Workshop
Science: Applied and Used in Today's World of Engineering (Janice Yelland-Sutcliffe, Faculty of Engineering/University of Nottingham) Bring science alive through engineering projects

1100 Workshop
Small-Scale Spectrometer and Hands-on Approach to Visible Spectrometry (Nataša Gros, University of Ljubljana) Small-scale spectrometer, hands-on approach

1100 Workshop
The Great Plant Hunt: Phase 2 (Prof Angela McFarlane, RBG Kew) The Great Plant Hunt - phase 2

1130 Talk
AstraZeneca Teacher Fellowship Scheme (Penny Bagshaw, University of Surrey) Improving understanding across school-HE interface

1130 Workshop
Data Harvest: Bright Ideas for Primary Science (Barbara Higginbotham, Data Harvest) A circus of data logging activities

1130 Talk
Does "Why?" Matter... Developing Questioning Skills in Science (Leigh Hoath, University Centre Bradford College) Does "Why?" Matter

1130 Talk
STEM Clubs (Matthew Tosh, STEMNET) STEM Clubs Network revolution: Join it!

1130 Talk
STS Relations Through a Courseware for Early School Years' Science Education (Ana Cristina Torres, Universidade de Aveiro) STS educational courseware for early years

1130 Special Event
The Nuffield Foundation Lecture (Professor Al Khalili, The University of Surrey) Arabic Science and a Lost Age of Reason

1130 Talk
Using Ambassadors to Inspire Your Pupils (Sue Andrews, Chemical Industry Edu Centre, University of York) Ideas for inspiring pupils using ambassadors

1130 Workshop
Using Their Brains in Science (Hellen Ward, Canterbury Christ Church University) Activities and ideas for 4-14 year olds

1400 Talk
Building Schools for the Future Process: Supporting Teachers and Pupils (Margaret Fleming, MF Associates) This EPSRC funded resource has been produced by De Montfort University

1400 Talk
Galileo, Darwin and the Spirituality in Nature (repeat) Dr Francisco Diego (Narrator/Scientist), Jenny Lee (Director), Peter Joyce (Galileo), Erlend Iversen (A Cardinal), Ana Diego (A Modern Citizen). Semi-staged play with audience debate at the end

1400 Workshop
Introducing History and Philosophy in Science Teaching (John Oversby, Institute of Education, Reading University) Practical workshop to support HPS learning

1400 Special Event
Johannes Kepler: Bringing Science Alive! (Johannes Kepler, Johannes Kepler Project) Johannes Kepler - Bringing Science Alive!

1400 Workshop
Mission Impossible: Science Challenges to Inspire and Motivate (Peter Johnson, Kitchen Chemistry) Practical Problem Solving using Science Challenges

1400 Workshop
Practical Radioactivity Using 'Everyday' Items that Happen to be Radioactive (Ralph Whitcher, ASE Safeguards in Science Committee) Everyday items to demonstrate radioactivity characteristics, including absorption, randomness, scattering and half-life

1400 Talk
Talking About Science (Tanya Shields, CIEC – University of York) AZSTT - Discussions in Primary Science (DiPS)

1400 Workshop
WIDER CReativity In Science for Primary and Secondary Schools (Mike Driver, Strawberry Field Science Consultancy & Publishing) Wider creativity promotes fun and achievement

1530 Talk
Life Saving Science-Teaching Relevant Science and First Aid (Dr Sue Dale Tunnicliffe, Institute of Education, University of London, and Andrea Fleming, Slough Grammar School) Teach science alongside first aid

1100 The Great Plant Hunt: Phase 2