THE ASSOCIATION for SCIENCE EDUCATION

Anglia Region Meeting

Switched On Science

Celebrate and Communicate in Science Year at Rosemary Musker High School Thetford

Saturday 2nd March 2002

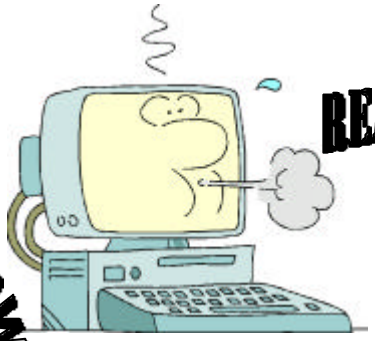
A full day's INSET **(including lunch and refreshments)** for £30*

*ASE members if booked before 15th February, £40 later + non members

You may be able to claim fees from school INSET budgets
Certificates of attendance available
(useful for your Professional Development Portfolio

Help with ICT

Using Internet resources



REAL SCIENCE IDEAS

Free Software

Prize Draw

Science Year

Images from ASE Image Gallery www.ase.org.uk

To book your place, please complete the form below. Send it, together with a cheque (made payable to ASE Anglia Region) for £30 per person to include coffee, tea and lunch to:
The Meetings Secretary, ASE Anglia Region, 33, Feltwell Road, Southery, Downham Market, Norfolk PE 38 0NR **by 15th February**. Non members and late bookings charged £40 for the day, £10 being refundable against joining ASE on the day.

Name..... Telephone number.....

Address.....

.....

I enclose a cheque for £.....for .....members and ..... Non members of ASE

I am/am not a member of the ASE - membership number . . . . . Special diet?.....

My choices for session A ☐ B ☐ C ☐ D ☐

Please photocopy this page and give to your colleagues

Details of sessions

(Subject to demand)
Every effort will be made to ensure that all sessions run but we apologise in advance if unforeseen circumstance force cancellation of any sessions

Arrival and Coffee:	**9.30**
Session A	**9.45 - 10.45**
Coffee and Exhibition	**10.45 - 11.15**
Session B	**11.15 - 12.15**
Lunch and Exhibition	**12.15 - 13.30**
Session C	**13.30 - 14.30**
Tea and Exhibition	**14.30 - 15.00**
Session D	**15.00 - 16.00**

A1 USING AN EASY COMPUTER MICROSCOPE TO ENHANCE SCIENCE TEACHING From KS1
Krishna. Hickman, Tag Learning

The Intel Play digital microscope has been sent to every secondary school as part of Science Year funding but its use can start as early as Key Stage One. Come and see how. (KS12/3)

A2 USING CALCULATOR BASED DATALOGGING TO SUPPORT SCIENCE Richard Smith, Teachers Teaching with Technology,

Participants will be able to learn how to get the best from this resource. Note: This session continues into B2 or you may just whet your appetite with this session. (KS3/4)

A3 SCIENCE YEAR - KEEPING UP THE MOMENTUM Melanie Renowden - Science Year

Using the excellent materials on the ASE Science Year CDs to inspire your teaching during Science Year and beyond. (KS2/3/4)

A4 THE BIG BUG SHOW Lee Gibbs

A fascinating Invertebrate roadshow featuring large exotic species which can inspire primary and secondary children to learn more about snails, cockroaches, millipedes and snails (KS2-4)

********** **Coffee and Exhibition** **********

B1 PRIMARY SCIENCE AND ICT - WHERE DO WE START? John Hobden

What do we need to be able to do to implement QCA schemes for Science and ICT?
Why not start at Key Stage One and build up skills steadily through to end of Key Stage Two?
(KS1/2)

B2 USING CALCULATOR BASED DATALOGGING TO SUPPORT SCIENCE Part 2 Richard Smith.

Participants in part One will be able to go into greater depth with practical work in the continuation session (KS3/4)

B3 ROAD TEST ELECTRONIC WHITEBOARDS - Philip Harris Education

Two of the major systems. will be demonstrated in high and low budget ranges. These relatively new teaching tools can revolutionise the way we teach by giving a large interactive image, bringing small-scale practical work to the whole class and allowing everyone to contribute to recording observations (KS1/2/3/4/5)

B4 SCIENCE INSET WHICH RECOGNISES YOUR DEVELOPMENT AS A TEACHER Mike Edwards

The ASE Certificate of CPD is aimed at teachers who wish to develop their professional skills while working in school, with the support of a mentor. The scheme can fit with school and departmental development plans, recognises achievements and can be a useful component of performance management and thresholds.

B5 REAL SCIENCE AND SCIENTISTS IN SCHOOLS Liz Drake, Long Stratton H.S. Nicola Patron, John Innes Centre, Frank Chennell, Teacher Scientist Network and Jude Vincent, Great Cornard Middle School

The presenters will show how schemes which bring real science and scientists into the classroom can motivate students, inspire teachers and remove stereotypes (KS2/3/4/5)

**********Lunch and Exhibition**********

C1 DATALOGGING FOR PRIMARY SCHOOLS Lee Grahame, Data Harvest

This session will show the potential of ECOLOG and other simple datalogging to support the science curriculum. There may also be a sneaky look over the wall into very easy control technology
(KS2/3)

C2 DOING HUMAN PHYSIOLOGY USING TI CALCULATORS Richard Smith TTT

The use of e.c.g. and breathing rate sensors to enhance work on human physiology. Highly portable equipment allows data capture during exercise etc. Detailed course materials and datasets for use with students. This session may also interest those not directly teaching the subject.
This also continues till 4pm (KS4/5)

C3 VIDEOCONFERENCING Moorhouse-Black,organised by Lynne Symonds

Take this chance to see at first hand the opportunities offered for AS and A2. This will be available from Sept, linked to custom-made micro-scale equipment kits. It will help schools who cannot fit students choices into time-table, have teacher or lab shortages or small numbers for the subject. It follows the hugely successful electronics and other courses already running. International application will follow (KS4/5)

C4 Actis Science Online Simon de Pinna, Actis Ltd www. Scienceonline.co.uk

Science Online provides a growing database of activities to support science teaching, from single lessons to whole projects. Simulations, presentations, animations and activities can be used live on line or downloaded.

********** **Tea and Exhibition** **********

D1 Datalogging with LOGIT EXPLORER Steve Jackson, Commotion Group
The newest self-contained datalogger from DCP comes with built-in sensors and is ideal for primary work yet offers possibilities for much more sophisticated data collection (KS1/2/3)

D2 HUMAN PHYSIOLOGY USING TI CALCULATORS FOR KS4 Richard Smith TTT

Continuation of session C2

D3 HELP WITH ASSESSMENT OF SCIENCE WITH REFERENCE TO QCA MATERIALS
Rebecca Edwards, Principal Officer, Science, QCA

Participants will be able to familiarise themselves with the materials provided by QCA to aid assessment. (KS2/3)

D4 NEW MATERIALS FOR TEACHING SCIENCE I N THE MIDDLE YEARS

Andreas Alexander will launch the new hands-on and computer-based Living With Science Materials which build on children's curiosity. (KS2/3)

How to get to Rosemary Musker High School, Croxton Road, Thetford, Norfolk

By Train: From **Stansted Airport or London King's Cross** to **Ely,** change for **Thetford**. School is within walking distance.

By Car: Take A11 from **Newmarket or Norwich** and follow Thetford bypass dual carriageway as far as the junction for King's Lynn, A134. At this roundabout take the exit for Town Centre, pass by industrial estates and look for sign to Sports Centre and Church of the Nazarene. Tur n left onto Croxton Road. School is 500 metres on right.
From **Bury St. Edmunds**, head for Town Centre till you reach some traffic lights thenturn right towards Norwich till you reach a roundabout. Take the King's Lynn road, cross over the railway and look for a sign to to Sports Centre and Church of the Nazarene. Turn right onto Croxton Road. School is 500 metres on right.
From **Diss**, take A1066, From **Ipswich t**ake A1088 and head for Town Centre till you reach a roundabout. Follow signs to Norwich and King's Lynn till you reach another roundabout. Take the King's Lynn road, cross over the railway and look for a sign to to Sports Centre and Church of the Nazarene. Turn right onto Croxton Road. School is 500 metres on right.