

Brenda Emmott

NEAS/BE/JCR

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brenda.emmott.edu@norfolk.gov.uk

Dear Colleague,

I have great pleasure in enclosing the detailed flyer for

**Secondary Heads of Mathematics Conference
'INNOVATIONS AND INSPIRATIONS'
Barnham Broom Friday, 28th February.
9.00 am to 4.00 pm**

The aim of the conference is not only to update you on recent developments but also to inspire and encourage you to think creatively about the teaching of mathematics within your department. A wide variety of 'trade' stands will be available on the day for you to sample resources and gather information. It is also an opportunity for the Heads of Mathematics from across Norfolk to make contact with each other, and the LEA Secondary Mathematics team, over an informal lunch.

During the last year I have visited many mathematics departments throughout Norfolk and have been impressed by the highly innovative and positive ways that staff are responding to the Key Stage 3 Strategy, some of which have appeared on the DfES website. Throughout the next year I am looking for further opportunities to identify and share good practice more widely. If you would like your department to be involved, please contact me directly either by email or telephone.

This is an important conference for Norfolk schools. It will address some key issues which are currently posing challenges for mathematics departments:

- the changes to the Key Stage 3 tests this year, together with the pilot GCSE and the changes to the specifications for AS/A2;
- the continued implementation of the Key Stage 3 Strategy;
- greater emphasis on the nature of proof both at Key Stage 3 and GCSE;
- the appearance of interactive whiteboards in the mathematics classrooms.

NORFOLK HEADS OF MATHEMATICS CONFERENCE

‘INNOVATIONS AND INSPIRATIONS’

**Friday 28th February, 2003
Barnham Broom Hotel, Norwich**

PROGRAMME

9.00am	<i>Registration and coffee</i>
9.15am	<i>Welcome and introduction tot he day</i> Brenda Emmott <i>Secondary Mathematics Adviser</i> <i>Norfolk Advisory Service</i>
9.30am	<i>Images that make us talk</i> Anne White <i>Regional director Key Stage 3 mathematics</i>
10.30am	<i>Coffee</i>
11.00am	<i>Bringing Algebra and Geometry to life with ICT</i> Adrian Oldknow <i>Mathematical Association</i>
12.00pm	<i>Lunch</i>
1.00pm	<i>What is mathematical proof?</i> Barbara Ball <i>Professional Officer, Association of Teachers of Mathematics</i>
2.00pm	<i>Tea</i>
2.30pm	<i>Update on Key Stage 3, 4 and AS/A2</i> Jack Abramsky <i>QCA representative</i>
3.45pm	<i>Plenary</i>
4.00pm	<i>Close</i>

Anne White
Regional Director KS3 mathematics

As Regional Director for Key Stage 3 mathematics Anne supports a total of fourteen LEAs in the East and East Midlands regions. This involves work at strategic LEA level in addition to training and shadowing consultants and writing classroom and professional development materials.

Previous experience includes LEA advisory work, research and publications. She has worked in teacher education training mathematics teachers across all phases and has taught mathematics in higher education, further education and secondary schools.

Her most recent teaching experience involved leading a department in their contribution to the research phase of the Cognitive Acceleration in Mathematics Education (CAME) project developed by Kings College, London.

Adrian Oldknow
Mathematical association

Adrian chairs the Mathematical Association's Professional Development Committee and ICT Subcommittee, and is closely involved with its T-cubed programme, which provides training and support for mathematics and science teachers using hand-held and other technology. He chaired the Royal Society working group which produced the report "Teaching and Learning Geometry 11-19". With Ron Taylor he has written "Teaching Mathematics with ICT" for Continuum Books. He has been closely involved with developing the DfES Y7 Maths Alive project and RM's extension to KS3. He has recently been involved with producing guidance on ICT and maths for TTA, and in developing lesson plans for the KS3 Mathematics Strategy illustrating ICT objectives. The MA, along with University College Chichester and New Media, is part of the "Maths Consortium" which has the DfES contract to develop on-line materials on ICT to support the KS3 strategy.

Barbara Ball**Professional Officer, Association of Teachers of Mathematics**

Until her appointment last year as ATM's first Professional Officer Barbara Ball was a classroom teacher for 35 years. Her presentations include a wealth of mathematical ideas based on this experience. She was the co-author of the innovative series Task Maths and is now writing a series of maths lessons which use ICT. She has been a GCSE chief examiner for both exams and coursework and currently advises QCA on KS3 SATs.

Jack Abramsky**Principal Officer, Mathematics, at the Qualifications and Curriculum Authority.**

Previously he was Head of Mathematics at Kingston College of Further Education and before that taught mathematics at several sixth form colleges, and also at the Universities of Kent and Southampton. He was one of the founders of the National Association for Mathematics and Numeracy in Colleges.

At QCA he has been in charge of developing Free Standing Mathematics Qualifications, the AS in Use of Mathematics and the Advanced Extension Award in Mathematics. He has also led the developments on the two-tier GCSE Pilot, the Algebra and Curriculum Development Project, the Creativity Project and the quality control on World Class Tests and Key Stage 2 Tests in Mathematics. For much of the last year he was heavily involved in GCE AS and A level work, both on the review of the AS/A level criteria and also in 'Tomlinson' related work. Jack has done much work on international comparisons in mathematics and only a few weeks ago he was in France exchanging information on the mathematics curriculum with his French counterparts. He is now working closely with the government Inquiry into post-14 Mathematics.

To book your place on conference please call:
Louise Flynn at the Norwich PDC, 01603 433276

[Or book on line by clicking here.](#)

The eminent speakers will, I am sure , make the day very worthwhile. If you have not already booked your place please complete the attached booking form. I look forward to seeing you, or your representative on the day.

yours sincerely

Brenda Emmott
Mathematics Adviser - Secondary

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