



The Mathematical Association
Supporting Mathematics in Education



The Mathematical Association, The Association of Teachers of Mathematics and NRICH invite you to a
PRIMARY MATHS DAY: ENGAGING MATHEMATICS

3rd March 2012 9am – 3.30pm Pathfoot Building, University of Stirling

APPLICATION FORM (Please return ASAP)

Title: _____ First Name: _____ Surname: _____ Post Held: _____

Are you a member of the MA or ATM?
If so, what is your membership number?

Postal Address:

Telephone Number: _____

Email communication will be used for confirmation and further details

Email:

Please indicate any dietary requirements or special needs/requests:

Delegate rate (includes lunch) £65

Payment will automatically enrol you. Places are available on a first come first served basis.

Payment Details - **one option must be completed.**

Cheque [number _____] enclosed £ **Charge my credit/debit card** £
made payable to The Mathematical Association

My VISA/MASTERCARD/MAESTRO/DEBIT number is

My VISA/MASTERCARD/MIRESTRO/DEBIT number is: Name of Card Holder as it appears on the card:

Card expiry date

				Security number			
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Card valid from

			Issue number (if applicable)		
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No invoices will be provided – but please indicate if you require a receipt YES / NO

We do not give refunds but substitutions are permitted. Please notify us as soon as possible.

Signed: _____ Dated: _____

Please return this form **FULLY COMPLETED** by email with credit card details or by cheque to arrive **BEFORE** February 23rd 2012 to:

The Mathematical Association, Conference Section, 259 London Road, Leicester. LE2 3BE



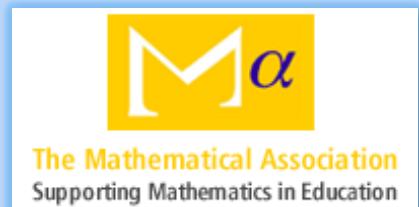
Calling all primary
teachers!

Professional
development

Mathematics Conference
at
Stirling University

Saturday
3rd March

ENGAGING MATHEMATICS



Engaging mathematics for all, engaging all in mathematics

Programme

09.00 - 09.30	Registration and coffee
09.30 - 10.40	Workshop 1
10.50 - 12.00	Workshop 2
12.00 - 13.10	Lunch, Publishers' Exhibition
13.10 - 14.10	Keynote Address
14.20 - 15.30	Workshop 3

Keynote Address: Dr Jenni Back, Engaging Mathematics for All

How can we engage all the learners in our classrooms in mathematical thinking, reasoning and problem solving regardless of their attainment? Jenni draws on her research in Hungarian and British classrooms to identify two approaches and compares and contrasts them, raising questions about what approaches we can use to promote Curriculum for Excellence in our own working environment.

Jenni combines being the primary coordinator for the NRICH project at Cambridge with her own research and professional development projects.

Workshops

A Jenni Back: Going for Gold: *Explore some of the latest offerings on the NRICH website including problems for each level focused on the 2012 Olympic games.*

B Hazel Lowe (Mrs Maths): Maths games with meaning. *Not just 5min games, but weeks of engagement from these games where children work through the stages of Bloom's taxonomy to ensure deeper understanding of maths concepts. Great for involving parents too.*

Hazel is passionate about helping to make maths exciting, meaningful, challenging and accessible, by giving teachers ideas for educationally sound, active learning opportunities for their pupils. Hazel has been involved with Beam, LTS, Numicon, Espresso, Daydream and Rainbow as well as producing her own commercial resources. www.mrsmaths.co.uk/

C Lynne McClure: Algebra activities for primary pupils. *How do we ensure progression and understanding in algebra? Take away some low threshold high ceiling activities that will do the trick!* Lynne is now the Director of the NRICH project in Cambridge. When she lived in Scotland she had a variety of roles including teaching at Moray House, editor for the MA Primary Maths journal and as a consultant with various publishers including BEAM. www.nrich.maths.org

D Amy Sinclair: Building up mental strategies in number calculations: *We want our pupils to be confident and accurate in their number calculations and a huge part of this is their mental agility. Teachers are often anxious about how to plan for mental maths so we will pick apart the progression of skills required and how to assess these skills.*

Amy taught in a variety of primary schools before working as Numeracy Development Officer for LTS. For the last two years she has combined being the main author of Heinemann Active Maths with her own work in and for schools. www.activelearninginmaths.co.uk

Publishers' Exhibition

The SMC secondary conference <http://scottishmathematicalcouncil.org> is taking place simultaneously in the Cottrell Building, 5 minutes from the Pathfoot building where this primary day is being held. A large exhibition of books and resources, including those for primary schools, will be mounted from 8.30 until 14.00 and we have arranged for coffee and tea to be available for you there at lunch time.

Lunch

Lunch will be served in the Pathfoot Building

The grid below is provided for you to record your choice of workshops
Please choose three.

- A Going for Gold
- B Maths Games with Meaning
- C Algebra Activities for Primary Pupils
- D Mental Strategies in Number Calculations

Applications are limited to two per school.

Please apply by returning this completed half of the flyer
together with your conference fee, to

The Mathematical Association
Conference Section
259, London Road
Leicester LE2 3BE

Tel: 0116 221 0013



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www.m-a.org.uk



www.nrich.maths.org



www.atm.org.uk