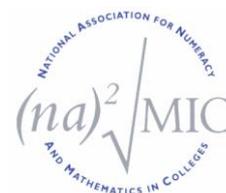


The Newsletter
of the
National Association for
Numeracy and Mathematics
in Colleges



An association for all in the Lifelong Learning Sector

Winter 2012

Next year's Conference

We are pleased to announce that our Keynote Speaker for our conference in Derby on 3 July 2013 is **Professor Malcolm Swan**. If you book before the end of December you will receive a **£10 discount**. See the final page for [more details](#) about this and other course we are planning

Functional Mathematics

"Very good presentation."

"Given me some great ideas to incorporate into my teaching."

"Have found the session very useful. More of the same please."

These are some of the feedback comments from a previous course.

This excellent half-day course is next available at York on 17 January. More details are [available below](#). Book your place now.

Consultations

We have recently been involved in a number of consultations on your behalf. The Advisory Committee on Mathematics Education (ACME) invited us to comment on their proposals for 'compulsory' post-16 mathematics, which the government is planning. We also took responded to the LSIS proposals for changing initial teacher training in FE, including the Level 5 specialisms. Finally, with the other mathematics associations, we are also in contact with education ministers about changes which take place in schools, which affect FE.

TED Talks!

It is important that teachers keep up to date with research which might influence how they work with their learners. However sometimes it is difficult to access and read research papers, which are often not accessible to a more general audience.

I came across the TED talks recently and found these two talks really thought provoking.

The first speaker, Dan Meyer, reflects on how his previous classroom activities failed to result in learning, and how he changed his practice to address this.

http://www.ted.com/talks/dan_meyer_math_curriculum_makeover.html.

The second speaker, Professor Sugata Mitra, talks about the effect of installing computers in remote Indian villages where learners teach themselves. The results were quite remarkable and gave me much food for thought about the role of the teacher.

http://www.ted.com/talks/sugata_mitra_shows_how_kids_teach_themselves.html

Joan Ashley



Book Reviews

Free Materials for Teacher Trainers

Over recent months LSIS has been producing various training materials to be used for CPD. Two of these may be helpful for those involved in teacher training.

Module 7 is for those who are training maths and numeracy teachers to achieve a Level 3 qualification to enable them to enrol on the Level 5 Numeracy Specialist Course. It uses a blended approach of an initial assessment, 'optional' master classes, on-line resources and a final assessment, leading to the external qualification: **Level 3 Award in Mathematics for Numeracy Teachers.**

The materials are available at:

<http://www.excellencegateway.org.uk/node/24995>

Module 12 is entitled **Delivering Functional Mathematics with Vocational Learners** for vocational teachers who will be delivering functional mathematics, but who need to develop their own skills. These materials will be available shortly from the same web page.

There will be free one day courses in each region to introduce these materials to trainers. These can be booked through the LSIS website and details of one in your region will be appearing soon.

A resource which I continually return to is 'We can work it out' from the ATM – see <http://www.atm.org.uk/shop/products/act054.html> It's a spiral bound book of photocopiable activities each consisting of a set of clue cards. Learners work together to sort and make sense of the information. These are ideal for collaborative problem solving in a variety of contexts, so will make a useful addition to your bank of resources for functional maths.

'We can work it out 2' is also now available – another collection of 20 puzzles featuring everyday situations which promote mathematical thinking, encourage discussion and make for successful group work.

Do you have a conjecturing atmosphere in your classroom?

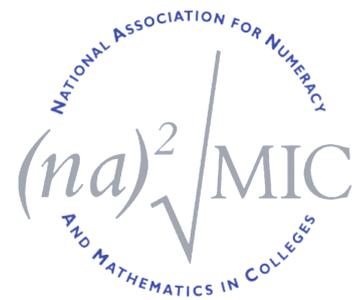
Take a little time to read John Mason's thought provoking article '*Effective Questioning and Responding in the Mathematics Classroom*' see <http://mcs.open.ac.uk/jhm3/Selected%20Publications/%20%20%20JHM%20Bib%20by%20date.htm>

He discusses how questions arise, questions for different purposes, using questions more effectively and suggests how we might stimulate learners to become more active learners rather than passive receivers.

Viv Brown



Functional Mathematics



Presenter: Viv Brown

Date and Time: 17th January 2013, 1300 - 1700

Venue: YEPC, First Floor 47-49 Lawrence Street, YORK, YO10 3BU.

Aims

- To review briefly the specification for functional mathematics and its assessment
- To explore teaching approaches and resources which help learners to use their mathematics in a functional way
- To discuss how mathematics in your context might be identified and embedded into the teaching of vocational subjects

Target Audience

- Teachers, assessors, vocational tutors, managers and others with some knowledge or experience of functional mathematics

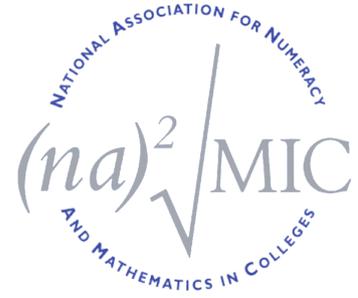
Content

This half day event will briefly review the background, rationale and specification of functional mathematics. The main focus will be on working with classroom resources and teaching approaches which help learners to develop problem solving skills.

Cost: non-members £90 (inclusive of NANAMIC membership for the current academic year)

NANAMIC Members: £70

For further information or to book a place contact Lesley Way
admin@nanamic.org.uk



NANAMIC 20th Anniversary Conference

at

The Derby Conference Centre

on

Wednesday 3rd July 2013

Keynote Speaker

Professor Malcolm Swan

Come and celebrate with us.

Book before 31st December and pay 2012 fees,

members £130, non- members £150

From January 1st 2013 fees will be members £135, non-members £155

We are currently planning the following courses

- **Dyslexia and Maths, presented by Julie Kay. A repeat of this very popular course to be held in Sheffield in March.**
- **A day of Maths Games and Rich Tasks presented by Joe Murray, a follow on from the very successful workshop session at the 2012 conference.**
- **Functional Mathematics, a course over two half days. The first introduces the requirements of functional maths qualifications and explores ideas for teaching functional maths to a variety of learners in different settings. The second is devoted to exploring and developing strategies and resources for use with learners in class, small group or in individual settings.**
- **Making an impact on GCSE students. This one day event will focus on approaches to learning which involve and motivate students and develop uses of approaches that encourage active learning, such as group work, discussion and the use of open questions.**