

The Yorkshire Branch of the Mathematical Association - Programme 2010 - 2011

Those meetings labelled Mall 1, School of Mathematics take place at the University of Leeds. See the back page for details.

Saturday
9th Oct 2010
2pm for 2.30

Karen Kitchener – Retiring President’s Address
“Teaching Critical Thinking Skills in Mathematics”

MALL 1, School of Mathematics

This talk provides an opportunity to learn how to develop critical thinking skills through mathematics with a chance to look at work produced by mathematics students of different ages and abilities

Thursday
11th Nov 2010
7pm for 7.30

Tom Button – Further Mathematics Support Programme
“Connective constructions/Constructive connections”

*Room 8.94
E C Stoner Building
University of Leeds*

Setting students constructions in dynamic environments, such as Geogebra, can improve students' problem-solving skills and emphasise the connections between geometry and algebra. This encourages students to think mathematically in a way that is not constrained by a particular part of the curriculum. A variety of these problems will be demonstrated - the session will primarily be an opportunity to try some of the problems with a short discussion how they can be used in the classroom.

Tuesday
7th Dec 2010
7pm for 7.30

Tim Devereux – YBMA
“Christmas Quiz and Buffet!”

MALL 1, School of Mathematics

A sociable evening of brain frazzling questions, quirky mathematical prizes with seasonal food and drink. Cajole your colleagues to come and enjoy themselves.

Wednesday 16th
Feb 2011
7pm for 7.30

Jean and Tony Orton - YBMA
“The Fascination of Mathematics”

MALL 1, School of Mathematics

For those who enjoy all things mathematical, the subject is littered with interesting sidelines and fascinating potential curriculum extensions. A few of these will be revealed.

Saturday
12th March 2011
1.30pm for 2.00

Study Session
Dr Chris Pritchard – McLaren High School, Callander

MALL 1, School of Mathematics

“Looking Forward to the History of Mathematics in our Classrooms”

Moves towards ensuring that students have a better feel for the development of mathematics are being made across Britain. *Engaging Mathematics for all Learners* promotes the use of ‘enrichment and enhancement’ including tasks arising from episodes in the history of mathematics. This talk will discuss “*Why introduce the history of mathematics to our classrooms?*”

Followed at
4.00pm by... **The YBMA AGM (at the same venue)**

Wednesday
16th March 2011
2.30pm

Roger Stevens
*Lecture Theatre 22
University of Leeds*

W P Milne Lecture for Sixth Formers
Professor David Spiegelhalter – University of Cambridge

“Living with Risk and Uncertainty”
Past experience and probability theory can be used to check the odds of your football team winning or to judge risk. Things get more difficult when we don’t fully understand what is going on, like when dealing with climate change. Find out how we can use probability and statistics to measure how ignorant you are.

Saturday
18th June 2011
2pm for 2.30

The Summer Meeting
Professor Chris Jones – University of Leeds

Kindly hosted at Gateways School Leeds LS17 9LE

“Dynamics of the Planets”

Space exploration discovers the conditions on the surface of planets, such as their weather and magnetic fields. We build mathematical models of the interior behaviour, to try to understand what we see at the surface. These models can help tell us about what we might find both in our own solar system and on extra-solar planets.

Any alterations to our programme are listed in the YBMA Newsletter, sent to all members, or see the MA website at www.m-a.org.uk