The Yorkshire Branch of the Mathematical Association - Programme 2013 - 2014

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

Saturday
19th Oct 2013
2pm for 2.30

MALL 1, School of Mathematics

Peter Ransom – President of the Mathematical Association

Yo Ho Ho-ratio: some mathematics of Trafalgar
This is presented by Able Seaman Ransom of HMS Pickle (the ship that brought the news of Trafalgar back to Britain) in 1805 seaman's dress. After looking at the risks Nelson took it looks at the mathematics of cannon balls and demonstrates their destructive power. Real cannon balls are used. Probability using crown and anchor dice may be used. We finish off by making an old piece of navigational instrumentation (parallel rulers) and work on a navigational chart with the instrument made. CD ROMs of all the materials (and much more) for the teachers present and a taste of ships' biscuits.

Thursday
7th Nov 2013
7pm for 7.30

MALL 1, School of Mathematics

Rachel Greenhalgh – UKMT Director

UK Mathematics Trust – Challenging
Find out more about the work of the UK Mathematics Trust, our close relationship with the MA, and enjoy some problem solving as experienced in the classroom by today's students. Be prepared to have a go at UKMT questions and leave your calculators at home!

Tuesday
10th Dec 2013
7pm for 7.30

MALL 1, School of Mathematics

Tim Devereux and Alan Slomson – YBMA

"Christmas Quiz and Buffet!"

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

Wednesday 5th Feb 2014
7pm for 7.30

MALL 1, School of Mathematics

Tony Cotton – Leeds Metropolitan University

"Teaching Mathematics as if the Planet Matters"
Explore how to develop approaches to curriculum and learning which help students understand the nature of the contemporary world. Try out some teaching activities aimed to help students relate classroom mathematics to global issues such as climate change, the economy, food supplies, biodiversity, human rights, and social justice.

Saturday
8th March 2014
1.30pm for 2.00

MALL 1, School of Mathematics

Followed at 4.00pm by…

Study Session
Vinay Kathotia - Nuffield Foundation

"Mathematics and storytelling"

There are some remarkable stories in mathematics, and mathematics in some captivating stories. And despite the preoccupation with truth and proof, much of mathematics is 'storytelling'. At times pure flights of fancy and often a fabrication to fit or model the world around us. We will engage in some mathematical storytelling and explore how storytelling provides frameworks for mathematical activity, helping weave together the concrete and the abstract.

The YBMA AGM (at the same venue)

Wednesday
2nd April 2014
2.30pm

University of Leeds (Lecture Theatre TBC)

W P Milne Lecture for Sixth Formers

Ben Sparks – Mathematician, Musician, Speaker (and Assistant Area Co-ordinator for the Further Mathematics Support Programme)

" The Creation of Number?"

A whistle-stop tour of some of the exciting bits in the development of number, from integers, rationals, irrationals, all the way to complex numbers - with proofs and fractals thrown in.
Along the way:
- Who killed Hippasus?
- Why is A4 paper such an annoying length (go and measure it...)
- How do you know when there are -1 sheep in a field?
- What is the square root of -1 and why does it matter?
- Are we just making this stuff up, or are we discovering it?

Saturday
14th June 2014
2pm for 2.30

Grammar School at Leeds (Music centre)

The Summer Meeting

David Knapp – University of Leeds

"Art and Mathematics - oil and water?"

By popular request David Knapp will be giving another of his illustrated talks on the connections between Art and Mathematics.

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

Where to find us

The majority of our meetings this year are held at the University of Leeds in the School of Mathematics, Room Mall 1.

The university is well signed from all major routes into Leeds. *For internet maps and satellite navigation the postcode is LS2 9JT.* The best entrance to use if travelling by car is the one located on the A660 (Woodhouse Lane).

Enter the campus immediately next to the Parkinson Building (the large white building with a tower) and follow the road round to the left past the entrance barrier. Shortly after a speed bump you follow the road into a left turn.

After 100m the road bears right and after a further 50m downhill you can turn right under the 'building on stilts' where you may park. Alternative parking is available opposite the building on stilts.

Follow the university signs for the Edward Boyle Library. The entrance to the School of Maths is next to the library.

Directions are available on the School of Maths website *www.maths.leeds.ac.uk* (see link to maps at bottom right of their page).

The University charges £5 for parking on a Saturday unless you are attending a University event. Please have this YBMA programme with you to show at the barrier, though we cannot guarantee that they will waive the charge.

The Yorkshire Branch of the Mathematical Association

Programme for 2013/2014

- Most meetings this year are held at the University of Leeds unless stated otherwise. Please see the back page for more details.
- Refreshments are usually available before the meetings start.
- Membership of the Branch costs £5.
- Non-members are welcome to attend meetings though a charge of £1 will be made on each occasion to help to cover expenses.
- Members are reminded that their names and addresses are stored electronically. If they do not agree to this, they should contact the Secretary immediately.

President	Secretary	Treasurer
Liz Meenan	RG (Bill) Bardelang	Tim Devereux
		Woodview House
		37 Hough Top
		Leeds LS13 4QW

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