

The Yorkshire Branch of the Mathematical Association - Programme 2016 - 2017

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

Tuesday
4th Oct 2016
7pm for 7:30pm

*MALL 1, School of
Mathematics*

The Retiring President's Talk – Alan Slomson
Counting in circles: my favourite problem

This problem makes an excellent resource for the classroom. It is very rich in mathematical ideas. I have used different versions of it for school pupils from Year 6 upwards, for mathematics undergraduates, and at meetings of schoolteachers. It begins with some ideas that will be very familiar and ends with what I believe is a hard unsolved problem in number theory. On the way it takes in the binomial coefficients, Euler's formula $V + F = E + 2$, proof by mathematical induction and Cantor's transfinite numbers.

Jane Turnbull

Tuesday
8th Nov 2016
7pm for 7:30pm

*MALL 1, School of
Mathematics*

A story of Mathematics told through postage stamps

A chance to follow the history of mathematics from prehistoric times to the modern day illustrated with postage stamps from around the world. At this session stamps, envelopes and postmarks will help depict the unfurling story.

Thursday
1st Dec 2016
7pm for 7:30pm

*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
8th Feb 2017
7pm for 7:30pm

*MALL 1, School of
Mathematics*

Dr Jennie Golding President, The Mathematical Association, 2016-17

Learning from Young Mathematicians

One of the great joys of teaching mathematics is what we can learn from those we 'teach'. Join me in exploring some intriguing, humbling and sometimes wacky lessons from my own students. What are the wider implications for us as teachers? How and why should we develop and nurture classrooms which are genuine mathematical communities for both students and teachers?

Saturday
11th March 2017
1:30pm for 2:00pm

*MALL 1, School of
Mathematics*

Study Session

Colin Prestwich – Yorkshire Ridings Maths Hub

Problem Solving - so what is new?

How to develop problem solving strategies in the classroom by developing the teachers and supporting them with PD and resources. Does lesson study have a distinct role? How can the new Core maths level 3 award support this? What about assessment and links to handling data and experimentation.



Thoughts from a serial head of maths and maths hub lead.....

Followed directly
by...

The YBMA AGM (at the same venue)

Wednesday
29th March 2017
2:30pm

*University of Leeds
(Rupert Beckett
Lecture Theatre,
Michael Sadler
Building)*

W P Milne Lecture for Sixth Formers

Vicky Neale – University of Oxford

How to solve equations

What strategies do mathematicians use to solve equations? We'll focus on some classic examples from number theory, and see that sometimes the key to success is to use unexpected areas of maths -- and that sometimes solving even simple equations can be very challenging...

Saturday
10 June 2017
2pm for 2:30pm

*MALL 1, School of
Mathematics*

Chris Pritchard

More Ideas for Teaching Area

Following the publication of my book on the subject, *A Square Peg in a Round Hole*, the search for further ideas on teaching area goes on. Learn where the quest has reached and tackle some original problems for Y9 and upwards. The book is published by the MA and there will be copies available to purchase.

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. Continuing along this road will bring you to the multi-storey carpark, and further still along the road brings you to the Edge (sports centre) carpark. Please park in one of these as this is where the pay stations are located which you will need as you leave.

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

Directions and a [campus map](http://www.maths.leeds.ac.uk/home/visit-us.html) are available on the School of Maths website <http://www.maths.leeds.ac.uk/home/visit-us.html>. MALL 1 is located in the School of Mathematics - building 84a on the map.

N.B. Changes to parking arrangements

The University now charges for parking.

Please ensure you pay before you exit.

Pay machines take **card only** and can be found on Level 1 of the Multi-Storey and in the middle of The Edge car park. The charges are as follows

Parking Tariffs	
Up to 2 hours	£2
Up to 3 hours	£3
Up to 4 hours	£4

For more details see 'Public Visitor Parking' at <http://carparking.leeds.ac.uk/visitors/>

The Yorkshire Branch of the Mathematical Association

Programme for 2016/2017

- 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.
- 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

Lindsey Sharp

Secretary

Alan Slomson

Treasurer

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Contact the branch by e-mail:

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