



The Mathematical Association
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Email: office@m-a.org.uk

October 2018



We need you!

Nominations for Council (with effect from the AGM in April 2019) are now open and should be sent to senioradministrator@m-a.org.uk before the end of the year. They should be accompanied by written confirmation of the candidate's willingness to stand and a short (100-200 word) biography. There are currently vacancies for a member without office, and for Chair of Publications: if you want to know more do please contact Peter Ransom (chair@m-a.org.uk) or Jennie Golding, secretary@m-a.org.uk).

eNewsletter Editor vacancy

We are most grateful to Lucy Rycroft-Smith for editing our eNewsletter over the past year and getting it ready for distribution each month. She has done a tremendous job in putting together items from the MA team. Lucy has now resigned, but very kindly agreed to edit this and the November edition and we are looking for someone to take on this role from the December edition onwards. If you are interested in helping our association in this way, please contact Jo Morgan, jomorgan1@gmail.com Chair of Publicity and Media to find out more.



Bursaries Available

There are bursaries available to teachers to provide an opportunity to attend the jointly badged ATM/MA conference. Closing date for making an application is 30th November 2018. [Click here to apply.](#)

Please note:

- It is preferable that the bursaries stimulate interactions across the mathematical community and preference will be given to applications that do this. Please include in your CV details of any membership of the ATM or MA.
- The bursary will not cover the costs of supply teaching cover.
- Bursaries will not be awarded after the conference has happened.
- All successful applicants will be expected to complete a short report (a maximum of 1 side of A4) by 31 May 2019. This may be used in any of The Mathematical Association or The Association of Teachers of Mathematics journals.
- It is expected that most of the bursaries awarded will be around £150.
- The maximum award that will be made is £200.
- Successful applicants should expect to cover further costs from other sources.
- Any surplus funds must be returned to The Mathematical Association and may not be used for other purposes.



Branch Events

Liverpool Branch

CHRISTMAS LECTURE - sponsored by Department of Mathematical Sciences, University of Liverpool

Title: Enigma and the Secret World of Code Breaking

Presenter: James Grime, University of Cambridge.

Date: Thursday, 13 Dec 2018

Time: 2pm

Summary: For as long as we have had secrets we have had secret messages. We present a look at the fascinating history and mathematics of codes and code breaking - from ancient Greece to the present day - including a demonstration of an original WWII Enigma Machine!

Dr James Grime is a mathematician and public speaker. James now runs The Enigma Project and travels the world giving public talks on the history and mathematics of codes and code breaking. James is also a presenter of the YouTube channel numberphile.

Venue: tbc

See [website](#) for updates

Branch: London

Title: Topics in Depth / Asking Better Questions

Presenters: Jo Morgan and Ed Southall

Summary: For our third session of the year we are very lucky to have two sessions led by two fantastic maths teachers. Jo is a Lead Practitioner at Harris Federation in London. She writes the website [Resourceaholic](#) where she shares teaching ideas and resources for secondary mathematics. Jo is a member of the TES Maths Panel and AQA Expert Panel and a regular guest on

Mr Barton's podcast. Jo's workshop is about the process of teaching a topic in depth. The focus will be on index notation and index laws. In this session, teachers will reflect on their approaches, consider misconceptions and best practice, and discover new resources to use in their lessons.

Ed has taught in education for 14 years in a variety of roles and is currently the PGCE course leader at Huddersfield University, and a maths education specialist for both Primary and Secondary teacher training. He is currently studying for a PhD and is the author of two books, "Yes, But Why: Teaching for Understanding in Mathematics" and 'Geometry Snacks' with Vincent Pantaloni. Ed blogs at [SolveMyMaths](#). Ed's session will look at "Asking Better Questions". Enhanced subject knowledge can lead to stronger, deeper questions that allow for teachers to uncover more misconceptions and analyse how much students understand topics beyond algorithms.

Date: 19th January 2019

Time: 10 am - 12.30 pm

Venue: UCL Institute of Education

Venue Address: Room 802/804, 20 Bedford Way, London WC1H 0AL.

Branch Contact : [Mark Horley](#)

Door Charge: £10 collected in cash on the door, unless you have already attended an event this academic year and already paid your £10. All sessions are free for Trainee Teachers in their initial training year.

Please sign up via [Eventbrite](#).

Branch: Sussex

Title: The Room in the Elephant

Suitable for students in Y9-Y13, this is a talk about many aspects of area, but not the aspects found in textbooks!

Presenter: Chris Pritchard

Date: Tuesday, 4th December 2018

Time: 4:30pm

Venue: Lancing College,

Venue Address: Lancing, BN15 0RW

Branch Contact name/email: Dr. Paul Harris p.j.harris@brighton.ac.uk

Door Charge: n/a

Branch: London

Title: Every class is a mixed attainment class

Summary: In this session we start with the idea that every class contains students with a mix of attainments, interests, stickability, and stuckability! As such offering students accessible tasks which can be developed to different depths is an essential part of lesson planning. Participants will be invited to work on some mathematics and intersperse this with discussions about how any of the tasks might be simplified or extended. The tasks will be suitable for learners from Year 5 to Year 11 but it is likely that the ideas will be applicable to all ages.

Presenter: Mike Ollerton

Date: 24th November 2018

Time: 10 am – 12.30 pm

Venue: UCL Institute of Education

Venue Address: Room 802/804, 20 Bedford Way, London WC1H 0AL.

Branch Contact : [Mark Horley](#)

Door Charge: £10 collected in cash on the door, unless you have already attended an event this academic year and already paid your £10. All sessions are free for Trainee Teachers in their initial training year.

Please sign up via [Eventbrite](#).

Branch: Yorkshire Branch

Title: Our Famous Christmas Quiz!

Presenter: YBMA reps

Date: Tuesday, 4th December 2018

Time: 7.30 pm

Summary: Seasonal refreshments and prizes for all!

Venue: *University of Leeds, School of Mathematics, Room MALL 1, Leeds LS2 9JT*

Contact: [Alan Slomson](#)

Branch: Cambridge

Title: Research round-up

Presenter: various

Date: Thursday, 15 November 2018

Time: 4.30-6.00, doors open at 4pm

Summary: A repeat of our very popular session last year in which local teachers and researchers invite us to share, question and comment on the findings of their latest research.

Venue: Cambridge University Primary School partnered with the Chartered College, Eddington Avenue, Cambridge CB03 0Q

Branch Contact name/email: Lynne McClure

Door Charge: Members free, non-members £5



Journals News

This week, members should have received their copy of MA News with Mathematical Pie

and whatever else their membership entitles them to.

The November issue of the Gazette is also out now - information about its contents can be downloaded from

<https://www.m-a.org.uk/the-mathematical-gazette>

This information sheet is the first item in the section headed

The Mathematical Gazette Index, the one labelled Volume 102, No. 555.

Just above that is a link to Tom Roper's Presidential Address given at BCME in April 2018.



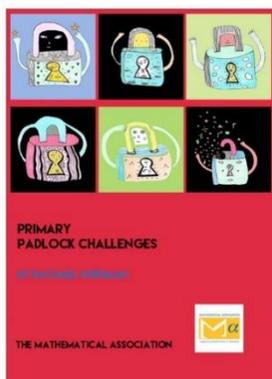
Sign up for the Annual Conference

Please sign up for our joint MA/ATM Annual Conference in 2019 at Chesford Grange, Warwick from **15-18 April**. The theme of the conference will be Mathematics. Collaboration. Creativity. You can sign up [here](#).



New Resources

Primary Padlock Challenges Rachael Horsman



This exciting new book for KS1 and KS2 from Rachael Horsman, follows the same format as the very successful KS3 and KS4 Padlock Challenge series. As per the format of the previous books, it has a comprehensive set of worksheets from which teachers can construct a set of challenges. Each of the challenges is constructed to enable students to gain in both confidence and skills. The conclusion of each challenge is a number determined by their answers and collectively these lead to the combination for a padlock. The route to opening a designated treasure box secured

with a chain and combination lock follows. Find the combination – gain the treasure within.

We are sure that primary level pupils will find this book exciting and challenging. Click [here](#) to buy.

Non-members £9.00

Members £6.30

PMC participating schools can pre-order this book for £8.50

Mathematical Association Calendar 2019 now available!

Click [here](#) to buy.

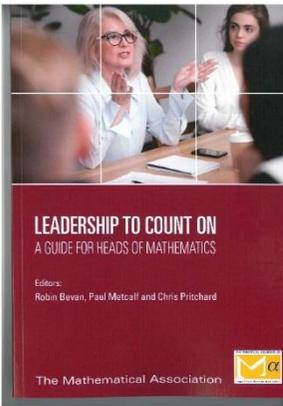


Another fabulous selection of mathematically inspired photographs and problems to solve.

There is space to write next to each day. When folded it is A4 size. But opens out to A3 when hung on the wall. Suitable for the home, school and office. It is intended

that the will encourage teachers and young people to think about the wide variety of context in which mathematics can be found in the world around us.

Coming soon: ***Leadership to Count On***



'Leading a mathematics department is a challenging and rewarding task. At the outset it can be daunting. This book offers clear advice to subject leaders who have the potential to serve as role models for other teachers of mathematics. Written by a team of experienced subject leaders, it provides authoritative recommendations, practical examples and detailed case studies.

Leadership to Count On has been updated to take account of recent advice and guidance as well as curriculum changes.'

Non members £14

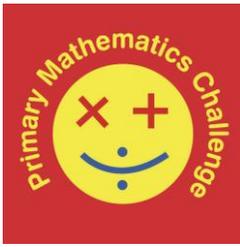
Members £9.80

Also in a late state of readiness is another book by Chris Pritchard. This has the eye-catching title of ***The Room in the Elephant*** and promises to be another excellent resource.

Somewhat further away is a revised version of the book ***Comic Sections*** by Des MacHale. This was originally published around 1993 by Boole Press but Des would like the MA to see do the second edition. Quite soon we will need help with proof readers and all offers are likely to be accepted. Contact Bill Richardson on wpr3145@gmail.com.



Primary Mathematics Challenge

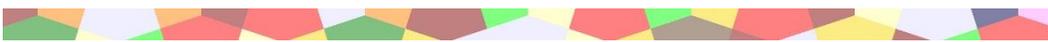


Over 1400 schools have already signed up for the Primary Mathematics Challenge which will take place during the week beginning 12th November. You still have time to enter your school. Designed for pupils in Y5 and Y6 it offers a chance for them to engage in problem solving and deeper reasoning activities.

Apply online at: [https://members.m-a.org.uk/PMC-](https://members.m-a.org.uk/PMC-Registration)

[Registration](https://members.m-a.org.uk/PMC-Registration)

Last date for applications: 7th November for delivery by Monday 12th



2020 Conference - save the date

The MA is delighted to announce that the 2020 Annual Conference, *From Exploration And Imagination To Insight*, will be held at Wyboston Lakes Resort, Wyboston, Bedfordshire from 7 - 9 April 2020. More information will be available at <https://www.m-a.org.uk/conference-2020>.

We have invited AMET, ATM, NAMA and NANAMIC to a jointly badged conference and hope that we can begin planning with those associations that wish to participate in December this year.



The perfect slice

Alex Bellos has a lovely series of 'slicing' puzzles in the Guardian this month, written by Martin Gardner – you can try them [here](#).



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THE MATHEMATICAL ASSOCIATION**

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FOR ONE DAY ONLY!

USING THE CODE
HALLOWEEN25

MATHEMATICAL ASSOCIATION

supporting mathematics in education

Code can be used online and on the 31st October only. 25% applies to all publications, posters and revision cards, Primary Maths Challenge packs and Memberships are not included. Use the code when you checkout.

Compiled by Lucy Rycroft-Smith

