

MATHEMATICAL ASSOCIATION



supporting mathematics in education

Welcome to the MA monthly newsletter

The Mathematical Association
259 London Road
Leicester LE2 3BE
Email: office@m-a.org.uk

November 2018

Happy forthcoming Holidays to all!



Resource from HarperCollins

Set regular retrieval practice for your GCSE students with 10 minute topic tests on KS3 content. Over 90 tests can be photocopied or edited for use in class or for homework. Please visit www.collins.co.uk/assessment to find out more.



We need you!

A reminder that there is a vacancy for Chair of Publications: a really interesting job probably best suited to someone with some experience of working with the MA's publications: further details can be solicited from the acting Chair of Publications, Bill Richardson (wpr3145@gmail.com) or from Peter Ransom as Chair of Council (chair@m-a.org.uk).

There are 3 vacancies for Council Members without Office (and currently 3 nominations for those). Additionally, all officers and chairs of other committees are eligible for re-election. Council meets 3 times a year in Leicester: all reasonable council-related expenses are claimable.

Nominations are invited for any of the above offices. Members may nominate others or may put their own names forward.

Nominations in writing, with a proposer and seconder, should be accompanied by written (hard copy or email) confirmation of the candidate's willingness to stand and a short (100-200 word) biography. These should be addressed to the Senior Administrator, The Mathematical Association, 259 London Road, Leicester LE2 3BE, or by email to senioradministrator@m-a.org.uk and should arrive **no later than 31st December 2018**. In the event of there being more nominations than vacancies for any position(s) on Council, arrangements will be made for the appropriate form of voting at the AGM in April 2019. Details of such elections will be circulated with the next issue of MA News (February 2019).

Notice of AGM 2019

The Mathematical Association AGM 2019 will be held Tuesday 16 April 1745-1900h at the MA/ATM conference (<https://www.m-a.org.uk/conference-2019>). Members might also wish to know that the Presidential address is scheduled to take place 1400-1530h on the same day. All members of the MA are welcome to both these events, though refreshments and other conference sessions are only open to those who have registered for the conference.

We look forward to seeing you! Jennie Golding, MA secretary (secretary@m-a.org.uk).



SYMs and SYMmetryplus

The SYMs and SYMmetryplus websites have been updated. Visit <https://www.m-a.org.uk/syms> and <https://www.m-a.org.uk/symmetry-plus> where you can download the Spring 2017 edition for free!



What's in Mathematics in School and Mathematics Teaching?

Colin Foster has just published an academic paper on what's in these journals - please click [here](#) for more details.

Of course, if you want to access past copies of Mathematics in School, members can log into the members area at <https://www.m-a.org.uk/log-in> and access copies through JSTOR at no charge.



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](#).

The deadline for bursary applications for this conference is November 30, so don't delay as bursaries up to £200 are available! See <https://www.m-a.org.uk/news/?id=242>

Branches Committee is pleased to announce that one bursary of £499 (early price) is available to cover the full residential cost of attendance at the 2019 Joint MA/ATM Conference at Chesford Grange, Warwick. The dates of the conference are 15 - 18 April.

Applications are encouraged from anyone satisfying the following conditions. He/she will be:

A first time delegate at a MA conference

A paid up member of the MA before 31 March 2019

Prepared to write a report on his/her experiences at the conference for publication in MA News, MA website, etc.

Application is by email direct to the Branches Committee Chair, Keith Cadman, at keithcadman@blueyonder.co.uk and copied to Marcia Murray at senioradministrator@m-a.org.uk. Applicants should include the following information:

Name, contact details, role in education and a response to the question "How would attendance at this conference benefit you in performing your role?" This response will be used by the Branches Committee to select the successful applicant.

Applications should be received no later than the end of December 2018 and the successful applicant will be notified by 15 January 2019.



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: 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](#)



Advent Calendar



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 January next year.



Mathematical blog up for award

The Cambridge Maths weekly blog on mathematics education [Mathematical Salad](#) has been nominated for a UK Blog Award in the Education category and voting is now open –you can vote [here](#).

New Resources

Primary Padlock Challenges

Rachael Horsman

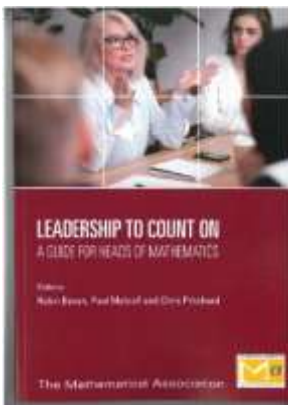


This exciting new book for KS1 and KS2 from Rachael Horsman, follows the same format as the very successful KS3 and KS4 Padlock Challenge series. As per the format of the previous books, it has a comprehensive set of worksheets from which teachers can construct a set of challenges. Each of the challenges 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

Leadership to Count On (Second edition)



‘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

Compiled by Lucy Rycroft-Smith