

## AAMT Newsletter October 2020

---

### Teaching Maths for Mastery

AAMT is pleased to offer a series of 2 webinars in Teaching Maths for Mastery (November 12 and 19).

The webinars are given by Mathematics Education Innovation (MEI) and the National Centre for

Excellence in the Teaching of Mathematics (NCETM) in the UK. The first webinar will look at the impact on maths education in England as a result of the widespread promotion and adoption of mastery teaching and learning practices. The second will focus on the detail of the structure and delivery of a mastery maths lesson in multiplicative reasoning at primary level. See [here](#) for further information.



The webinars are supported by the Department for Education in South Australia. Government employed educators in South Australia should click [here](#).

The webinars are supported by the Association of Independent Schools of South Australia. Educators who are a member of AISSA should click [here](#).

Educators in other jurisdictions, please click [here](#).

Any schools, sector or departments that wish to provide a bulk registration for their staff, please contact Duncan at [drayner@aamt.edu.au](mailto:drayner@aamt.edu.au)

---

### Other webinars

**Australian Teachers Using Japanese Lesson Study: A structured problem-solving lesson on multiplication**

Wednesday, October 21, 7 – 8 30 pm (AEDT)

For details and registration, click [here](#)

### **What's New in Maths300**

Tuesday, October 27, 7 – 8 pm (AEDT)

For details and registration, click [here](#) (and scroll to the end)

---

## AAMT New Online Maths Shop

AAMT (in partnership with the Mathematical Association of Western Australia) has launched a new online store for books and other maths education products. The new store can be visited at <https://mathsstore.org.au>

We continue to sell your favourite maths books and also have a few new titles (including a series on Teaching for Mastery by Marshall Cavendish in Singapore to coincide with the Mastery webinars).

If you would like to see other new titles in the online shop, please contact [office@aamt.edu.au](mailto:office@aamt.edu.au)

We appreciate all your school book purchases from the AAMT shop, which helps to support your Association.

---

## Opportunities in AAMT

AAMT currently has a vacancy for a Program Manager, based at our office in Canberra. For details, see [here](#).

It is with much sadness that I would also like to let everyone know of my intention to step back from the role of AAMT CEO in December. See attached a [letter](#) from the AAMT Council about this. A process is underway to recruit a new CEO. For anyone who may be interested, the opportunity is advertised [here](#).

---

## UK Maths Teaching Resources

Maths Education Innovation (MEI) in the UK is running an online maths competition for teams of senior students. They would very much like to invite Australian schools to participate. Questions are released every week between now and December. For further information, see [Ritangle](#).

MEI also publish some resources that may be of interest to maths teachers:

1. [Integral maths](#)
2. <https://mei.org.uk/data-science>
3. <https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/>
4. <https://meideepermaths.podia.com>

If anyone would like to review Integral Maths and Deeper Maths, please contact [office@aamt.edu.au](mailto:office@aamt.edu.au) for log in details

---

## Australian Maths Trust: Problemo

**Problemo**

POWERED BY  
AUSTRALIAN MATHS TRUST

The Australian Maths Trust (AMT) has launched an online maths problem solving resource designed to help teachers engage students and encourage mathematical thinking and creative problem-solving.

Called Problemo, the platform has a library of more than 400 maths problems for years 3-10 and the problems are prepared by the same mathematicians and teachers that design the highly-regarded Australian Mathematics Competition.

“For more than 40 years, we’ve been finding creative ways to get young Australians solving problems through our maths competitions and programs. Now Problemo builds on this expertise and allows us to share our maths problems across Australia and New Zealand in a new way,” said Nathan Ford, CEO of AMT.

To find out more go to [problemo.edu.au](http://problemo.edu.au)

---

## National Mathematics Summer School



**NMSS**

We are pleased to announce the appointment of Dr Norman Do as the new Director of the National Mathematics Summer School.

Norm is a lecturer in the School of Mathematical Sciences at Monash University with research interests in Geometry and Topology. He has been a long-term advocate for the NMSS and has been intimately involved both as a student and lecturer. Norm is also Chair of the Australian Mathematical Olympiad Committee. We are very lucky to have Norm as the new NMSS Director.

---

## NSW Events

The Mathematical Association of NSW has a program of online professional learning workshops.

Upcoming webinars include:

Engaging Students in Higher Order Thinking (7-12), November 9

Differentiation with Challenging Tasks in the K-6 Mathematics Classroom, December 2

Additive to Multiplicative Thinking, November 5

Patterns and Place Value in the K-3 Classroom, October 21

For these and other MANSW events, see [here](#).

---

## VIC Events

The MAV Annual Conference 2020 in virtual format is now open for registrations.

Keynotes include James Tanton, Leicha Bragg, Ann Gervasoni, Adam Kruger, Scott Rumble, Carly Sawatzki, Paul Swan, Tony Vallance and other.

To register for 3-4 December, click [here](#).

---

## WA Events

The MAWA Annual Conference in hybrid format takes place from November 25 – 27.

25 November 2020 – HOLA Day

26 November 2020 – Secondary & Post-secondary Day

27 November 2020 – Early Childhood, Primary and Secondary Day

8.00am-5.00pm each day

Crown Convention Centre Perth

Registration - <https://mawainc.org.au/2020-wa-annual-maths-conference/>

Please note that MAWA will honour member prices for all interstate delegates.

---

## SA Events

The 2020 STEM Conference and Expo will be held on Friday November 27 at the University of South Australia. Further information is available [here](#).

---

Books from the AAMT online math store

### Bar Modeling A problem-solving Tool: From Research to Practice An effective Singapore Math Strategy

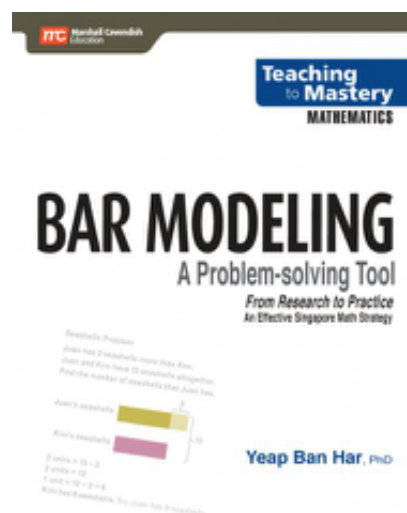
Teaching to Mastery - Bar Modeling: A Problem-solving Tool is a professional development book written for mathematics educators who are interested to learn more about bar modeling as a problem-solving tool in mathematics. Backed by research studies, this book will help educators see how various types of bar models can be used to solve mathematical word problems and learn the techniques of deriving, drawing and manipulating bar models. With extensive examples, guided questions, and practice problems, this book provides insights into the pedagogy of the model method. Other titles in this series:

- Teaching to Mastery-Decimals
- Teaching to Mastery-Whole Numbers
- Teaching to Mastery-Fractions
- Teaching to Mastery-Proportional Reasoning

**#CLA001 \$75.00 AAMT members \$60.00**

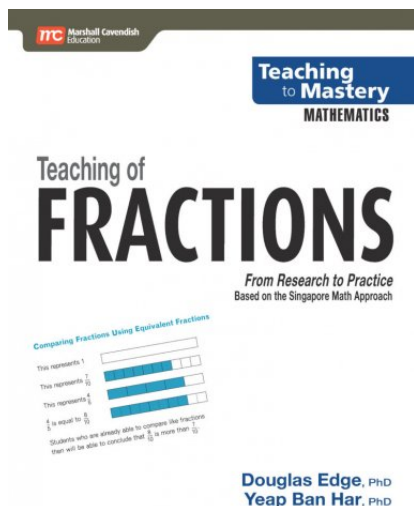
<https://aamt.edu.au/Webshop/Entire-catalogue/Mathematics-Assessment-for-Learning>

---



### Teaching of Fractions: From Research to Practice Based on Singapore Math Approach

Teaching of Fractions provides learning opportunities in both content and pedagogy. Backed by research



studies and learning theories, this book includes mathematical tasks as well as pedagogical ones to help readers link content and pedagogy. Mathematics educators will find this an invaluable resource to help develop in students a comprehensive understanding of fractions and how fractions relate to whole numbers. and basic operations involving fractions. Other titles in this series:

- Teaching to Mastery-Decimals
- Teaching to Mastery-Whole Numbers
- Teaching to Mastery- Bar Modeling A Problem-solving tool
- Teaching to Mastery-Proportional Reasoning

**#MCE001 \$75.00 AAMT members \$60.00**

<https://mathsstore.org.au/product/teaching-of-fractions>

## Other news

[School resources: Evidence-based practice in Mathematics](#)

[Parents, not schools, hold key to maths success](#)

['Deluded' child-led teaching blamed for NZ's education decline](#)

[University funding reforms set to pass after Centre Alliance confirms support](#)

[London teacher behind lockdown maths website on \\$1m prize shortlist](#)

[The use of online maths learning resources during the COVID-19 lockdown](#)

Connect with AAMT on social networks for more links to online news, tools and tips!



**AAMT Inc.**

GPO Box 1729 Adelaide SA 5001 | 08 8363 0288 | [office@aamt.edu.au](mailto:office@aamt.edu.au) | [www.aamt.edu.au](http://www.aamt.edu.au)

**[Click here to unsubscribe from AAMT's e-news](#)**