

18 March 2020

Update from AAMT 2020

AAMT and state and territory associations organise conferences and professional learning events throughout the year. To minimise health risks in the COVID-19 pandemic, many professional learning events due to take place over the next few weeks are being cancelled. Some smaller scale workshops and school consultancies may go ahead. Please check with your state and territory associations for updates regarding their events.

The Australian Science Teachers Association have cancelled their conference in July this year and this cancellation will include the planned STEM Day with AAMT.

AAMT has withdrawn the proposed exchange program to Singapore in July in light of the government advice not to take international travel.

AAMT and its Affiliated Associations are looking at further developing online-based professional learning. This will be of benefit to mathematics teachers over the immediate and long terms.

Students, teachers and schools are likely to face some very challenging times ahead. We do hope everyone stays safe.

Duncan Rayner

Chief Executive Officer

Growing Mathematically

AAMT has been working on a project with Professor Di Siemon and her colleagues to provide an updated set of resources for teaching multiplicative thinking. A learning progression, assessments and teaching

materials for multiplicative thinking were produced in a previous project [Scaffolding Numeracy in the Middle Years](#) (2006). These materials are being updated and extended in the current project. For information, please see [here](#). If your school would like to get involved in trialling the multiplicative thinking materials and providing feedback, please contact the AAMT office (office@aamt.edu.au).

New AAMT Website

AAMT is currently working on a project to refresh our website. We hope the new version will be launched in June. As part of this development, we have created a new website where teaching and professional learning resources are consolidated and can be easily accessed by teachers. Please see: www.mathseducation.org.au

This site will provide links to other websites that offer teachers free quality maths education resources (see the 'other resources' menu). If you have suggestions for maths education websites that you can recommend to other teachers, please let us know so we can link to them from www.mathseducation.org.au. Please contact the AAMT office at office@aamt.edu.au

Addressing PISA 2019

AAMT would like to organise a forum in October 2020 to discuss and address the 2019 PISA results for mathematics in Australia. We hope to have the participation of representatives from the National Centre for Excellence in the Teaching of Mathematics in England as well as mathematics educators from Singapore and China. The forum will bring together senior stakeholders across the states and territories and provide an opportunity to discuss strategic and policy issues in mathematics education. We hope to develop an action plan that will lift PISA results in Australia in the next round of testing in 2021.

If you would like to contribute to this forum with a policy / strategic paper, please contact Duncan (CEO of AAMT) at drayner@aamt.edu.au

E4L's Maths Guidance Report

This week, Evidence for Learning (E4L) have released their fifth Guidance Report [Improving mathematics in upper primary and lower secondary](#). This guide was developed by reviewing the best available international research and consulting

experts, teachers, and academics to arrive at key principles for effective teaching of mathematics. E4L are grateful for the advice of the team at AAMT who provided input during the development of this guide.

New Website for Aussie Maths Students!

Do you use TI-Nspire or TI-84 calculator?

Get ahead of the Game.

Check out the FREE Student Video Tutorials, both Interactive Live and Recorded, presented by Calculator Experts.

Follow this blog, to get all the help you need to succeed!

<https://tistudents.wordpress.com/>.

Numerical Acumen challenges

Hello Friends and I hope that the year has started well for you.

In 2020, the Potts-Baker Institute will be offering the Numerical Acumen challenges to both South Australian and New South Wales students. ☐

****Challenge A and Challenge B begin on Monday February 17 and conclude on Friday June 26, 2020.**

If you would like to take part this year and need power, please visit:

<https://www.numericalacumen.com/s1challenges2020>

Full details are on our flyer, which is

at: https://www.dropbox.com/s/kr2da6xanwginf7/na_challenge_2020_flyer_SOFT_v2_final.pdf?dl=0

Maths300

AAMT is hoping to launch the new version of Maths 300 soon. We are currently migrating the lessons from the old platform to the new one. This will be followed by a migration of the administration system.

At the same time most of the interactive lessons that use the Maths 300 software can now be accessed via a browser. We encourage all Maths 300 users to try the browser-based lesson format, as it is suitable for both laptops and tablet devices. For further information, contact office@aamt.edu.au

We are also seeking contributions for new lessons for Maths 300. Do get in touch with us if you have any inspiring inquiry-based lessons that we can include in the new Maths 300.

VIC Events

Maths Teacher Circles session in Melbourne.



Join mathematicians and like-minded teachers.

Do you enjoy doing and being challenged by maths?

Are you after strategies to help students become better problem solvers?

[Join us in Melbourne](#) for a Maths Teacher Circle session, with a half day of practical and hands-on maths professional learning on 2 April.

Based elsewhere? [Register your interest](#). Other Circles will be getting up and running around the country throughout 2020.

Registrations are now open

The problem with numbers

Where: Virtual Learning Online session delivered by MAV.

When: 12th May 2020

Free for all maths educators: Free

Registrations are at <https://www.mav.vic.edu.au/>

WA Event

Classroom Corner Kalgoorlie

Where: MAWA Office, 12 Cobbler Place, Mirrabooka

When: 20th March 2020

Engage your Year 1-8 students with mathematical games!

Students find games fun and engaging. If you are looking for some new ideas then this professional learning and networking opportunity is for you. Explore games, using simple materials, that can be used as warm ups, for teaching concepts or consolidation.

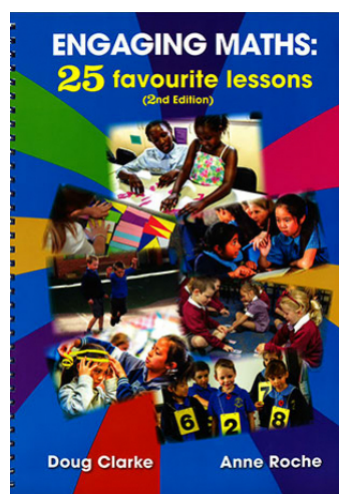
Registration at <https://mawainc.org.au/>

Please note we are experiencing problems with our book ordering system. To be sure that your order is processed, please also email your book requests to us at sales@aamt.edu.au

[featured resource] Engaging Maths: 25 Favourite Lessons 2nd Edition

Doug Clarke, Anne Roche

This full-colour volume aims to enrich the mathematical experiences of primary school students (and their teachers) through enjoyable, challenging and active lessons. Why not explore grid coordinates and compass directions through a piratical 'Treasure Island' map, or introduce simulation through a 'Throwing the globe' activity, or play a few rounds of 'Colour in decimats'?



Each lesson follows a similar pattern, beginning with an engaging 'hook'. There are clear instructions, interesting professional musings (including highlighting common misconceptions) and ideas for pulling the lesson together at the end. The lessons are complete, with reproducible activity sheets and further professional references. Reflections from the authors highlight some of the key pedagogical aspects and assessment potential.

Engaging maths, indeed!

#CLA002 \$61.00 AAMT members \$48.80

<https://www.aamt.edu.au/Webshop/Entire-catalogue/Engaging-Maths-25-Favourite-Lessons-2nd-Edition>

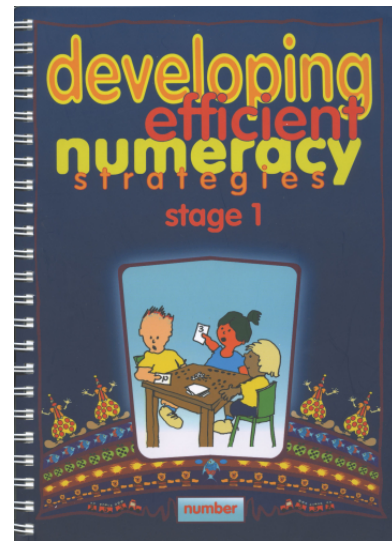
SHOP NOW

Developing Efficient Numeracy Strategies Stage 1

NSW Department of Education & Training

Detailed support to help develop students'

counting strategies in the junior primary years. A great deal of research and common sense indicates developing robust counting strategies is fundamental to effective numeracy. This book provides a developmental framework for counting strategies that has been identified through extensive research in Australian classrooms. For each stage there is a range of activities to address particular aspects — sequencing, numeral identification and patterns etc. in the early stages, operations and strategies in the latter. The layout of each activity explicitly highlights key aspects of teaching as well as a brief discussion of why the learning is important and methods effective.



This second edition includes references to the Australian Curriculum: Mathematics.

[View contents and sample pages](#)

#AAM414 ~~\$36.25~~ * \$25.00 AAMT members ~~\$29.00~~ * \$20.00

While stock lasts!

<https://www.aamt.edu.au/Webshop/Entire-catalogue/Developing-Efficient-Numeracy-Strategies-Stage-1>

SHOP NOW

Download a complete PDF catalogue of resources sold by AAMT from www.aamt.edu.au/Webshop/Catalogue.

Other news

The articles below were posted to AAMT's Facebook and LinkedIn pages and Twitter feed, and link to various sites:

[Improving children's confidence in maths starts with parents](#)

[Teaching mathematical modelling: a framework to support teachers' choice of resources](#)

[How common core is changing math education within public and private schools](#)

[No matter what method is used to teach math, make it fun](#)

[Multiplying by 10 – is it OK to just put a zero?](#)

[Coronavirus precaution sees Darwin teacher adopt a different kind of screenin while teaching from home](#)

[Mathematical thinking begins in the early years with dialogue and real-worldexploration](#)

[An unexpected encounter with mathematics](#)

[10 Nonfiction Children’s Books That Humanize Mathematics](#)

[Why role play is crucial to early maths](#)

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



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