



Mathematics Teachers' Association of the Northern Territory Inc.

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MTANT is an Affiliate of The Australian Association of Mathematics Teachers Inc.

mtant.weebly.com

MTANT Webinar Series 2020

<http://tiny.cc/mtant-webinars>

This is MTANT's first foray into hosting a webinar series, drawing on high profile presenters from around Australia. These sessions are being made available to NT teachers, in lieu of the planned Annual Conference in Darwin not going ahead due to the COVID situation that emerged in late March. MTANT also welcomes participation by teachers from other areas of Australia.

Sessions will be scheduled to be delivered via Zoom on Thursdays,
3:15 pm for a 3:30 pm start (NT time).

MTANT recognises the membership of interstate Maths Association members, and will offer the webinars at members' rates. Most sessions have a cost of \$5 for Maths Association members, or \$30 per session for non-members (\$15 / \$40 for one of the sessions, for which resources will be posted to you).

Northern Territory teachers members can take out a membership via <http://mtant.weebly.com>.

Participants will be sent the Zoom link, once they have registered, and made payment. A Maths leader can register multiple colleagues. An invoice can be emailed to schools requiring a tax invoice so their school can pay for them as a group - contact.mtant@gmail.com

Date	Presenter	Topic	Resources to have ready	Cost for MTANT members / non-members or interstate
24 September	Emeritus Prof. Doug Clarke, Australian Catholic University	Building and valuing students' number sense (F-8)	Set of dominoes. Basic 4-function calculator. Two six-sided dice.	\$5 / \$30
15 October Daylight saving	Andrew Lorimer-Derham, Think Square	Low floor / high ceiling challenges: Making your own puzzles (3-9)	None required	\$5 / \$30
29 October Daylight saving	Andrew Lorimer-Derham, Think Square	Multiplication Masterclass (4-8)	Special cards to be sent prior to the event	\$15 / \$40
12 November Daylight saving	Michael Minas, LoveMaths Consultancy	Differentiation Through Problem Solving (F-6)	None required	\$5 / \$30
26 November Daylight saving	Rob Vingerhoets Educational Consultancy	Getting 2021 off to a great start (F-2)	None required	\$5 / \$30

Our presenters



Doug Clarke



**Andrew
Lorrimer-Derham**



Michael Minas



Rob Vingerhoets

Session details

[24 Sep: Doug Clarke - Building and valuing students' number sense \(F-8\)](#)

One of the most important things we can help our students develop is Number Sense. Having a feeling for numbers and the ways numbers work helps students to deal with numbers strategically and flexibly. Students need to increasingly build an understanding of the meaning of operations, so that they develop efficient strategies including estimating and judging the reasonableness of answers. I'll be aiming to actively involve participants in engaging tasks and ideas which I have found helpful in building number sense. And we'll have fun too!

[15 Oct - Andrew Lorimer-Derham: Low floor / high ceiling challenges: Making your own puzzles \(3-9\)](#)

Ever wanted to create your own maths games, puzzles, rich tasks and open-ended activities? This session is hosted by someone who has made over 100! During this workshop we'll explore interesting tasks and some of the key elements required to make them. Participants will produce their very own mathematical puzzle and be provided with additional resources to make maths 'remotely' interesting!

Whether you're teaching remotely or face-to-face, this session will enable you to save time planning, empower you to deliver activities to a wider range of learners and help you to see connections between concepts. All this is possible through the skill of 'noticing'.

[29 Oct - Andrew Lorimer-Derham: Multiplication Masterclass \(4-8\)](#)

Stop losing learner engagement due to poor number skills. Students who have not mastered multiplication will struggle with fractions, algebra, area, percentages, changing a recipe, financial problems...and on and on. It's no wonder these learners' disposition toward maths is negative.

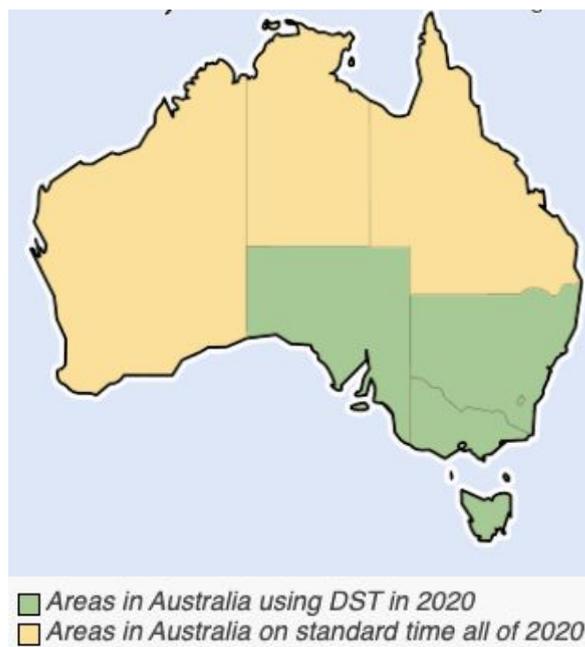
This hands-on workshop will provide strategies and engaging activities to rapidly build number skills and confidence in your learners. Participants in this session will be sent a pack of special cards that allow a dozen different classroom games to be played, that not only develop students' automaticity and recall of multiplication tables but also develop strategies to solve ANY multiplication problem.

12 Nov - Michael Minas: Differentiation through problem solving (F-6)

Explore how to plan and present challenging problem solving tasks that will engage all of your students, from the most reluctant to those who are extremely confident problem solvers. We discuss how classroom problem solving can be easily connected with the wider world, helping to make tasks meaningful and relevant for your students. We also look at the ways in which the cognitive challenge for each individual student can be increased by outlining some simple steps that will help teachers write effective enabling and extending prompts.

26 Nov - Rob Vingerhoets: Getting 2021 off to a great start for Foundation to Year 2

2020 is almost done and dusted (good thing too!) so let's get 2021 off to a great start in maths with some engaging, easy to prepare and mathematically rich activities. The activities will involve place value/counting as well as some data/graphing and measurement.



Daylight saving times

In case you are in a different timezone...

Session	WA	NT, SA	Qld, NSW, Vic, Tas
24 September session with Doug Clarke	1:45 pm for a 2:00 pm start	3:15 pm for a 3:30 pm start	3:45 pm for a 4:00 pm start

Session	WA	NT	Qld	SA	NSW, Vic, Tas
All other sessions, 15 October onwards	1:45 pm for a 2:00 pm start	3:15 pm for a 3:30 pm start	3:45 pm for a 4:00 pm start	4:15 pm for a 4:30 pm start	4:45 pm for a 5:00 pm start