

# QAMT State Conference 2021



**MATHEMATICS**  
*Pathways for*  
**SUCCESS**



**Sponsors**



Saturday 26th and  
Sunday 27th June

Southport State High School  
75 Smith Street Motorway  
Southport Qld

Love Mathematics? Love Teaching? Love Research? So do we!

**DAY 1 SATURDAY 26th JUNE**

**Registrations open ! Visit <https://qamt.qld.edu.au/>**

	Theano of Crotona Room 1	Pythagoras of Samos Room 2	Eratosthenes of Cyrene Room 3	Alan Turing Room 4	Emmy Noether Room 5	Al-Khwarizmi Room 6	Ada Lovelace Virtual Conference Room V
8:45am - 9:00am	Welcome and acknowledge sponsors, Introduce Trade, Announce Texas Instruments Bursary Recipients, Announce Trade Scavenger Hunt <b>Acknowledgement of Country</b> Introduction and welcome to keynote speaker: Professor Merrilyn Goos, University of Limerick						Lecture  Workshop  Online
9:00am - 9:50am	<b>KEYNOTE</b> <b>Working with Teachers to Develop Numeracy Across the Curriculum</b>						
SESSION 1 9:55am - 10:40am	 James Burnett and Dr Calvin Irons ORIGO EDUCATION <b>What is the approach to teaching multiplication facts as described in the revision of the Australian Curriculum: Mathematics?</b>	 Catherine Smith QCAA <b>External Assessment Marking, Unpacking the EAMGs</b>	 Joel Speranza Creator www.mathsvideosaustralian.com <b>Blended Learning in the Maths Classroom</b>	 Paulina Sliedrecht Linda Carroll DoE Qld <b>M in STEM: Effective Evidence-based Pedagogies for your Mathematics Classroom</b>	 Bec Burtenshaw and Tim Huppertz Maths Pathway <b>Success metrics: do the measures match our learning values?</b>	 Peter Fox Secondary Maths and Physics teacher; Co-developer TI-Nspire and TI-Navigator, Texas Instruments <b>Maximum Fun with Calculus</b>	 Melissa Fanshawe University of Southern Queensland <b>Accessible Mathematics for Students with Visual Impairments - Primary and Middle Years</b>
<b>10.45am - 11.30am BRUNCH NETWORKING</b>							
SESSION 2 11.35am - 12.20pm	 Leah O'Neill Back-to-Front Mathematics <b>Improving students' retention of concepts - Practical Strategies backed up by research</b>	 Robyn McNamara Principal Education Officer, QCAA <b>Being a Critical Friend, Reviewing an Examination Question</b>	 Rex Boggs Retired HOD Mathematics QAMT Life Member <b>Ten Top Tips To Transform Teaching</b>	 Dr Evan Shellshear Head of Analytics Biarri Optimisation <b>Augmenting Human Creativity via Maths and AI</b>	 Kerri Hill Casio education <b>2020 External Technology Active Mathematical Methods exam - efficient and discerning use of the Casio fx CG50AU</b>	 Bill Fowles Modern Teaching Aids <b>Latest in Mathematics Education Technology, Focus on Dynamics</b>	 Paul Bowyer Mathematics teacher and tutor; Developer Mathematicalendar <b>Using the date to Teach Mathematics</b>
SESSION 3 12.25pm - 1.25pm 1 hour	 James Burnett and Dr Calvin Irons ORIGO EDUCATION <b>Why are algorithms linked to computational thinking in the revision of the Australian Curriculum: Mathematics?</b>	 Alistair Lupton STEM Secondary Teacher <b>Dogball, a Study of Bounce</b>	 Stephen Broderick Secondary Maths and Science Teacher; QAMT President <b>Fermi Problems and Mathematical Modelling</b>	 Rodney Anderson Senior teacher QAMT executive <b>Effective and Efficient Use of the TI-Nspire calculator in a Mathematical Methods Examination</b>	 Brett Stephenson Head of Mathematics ; President of Mathematical Association of Tasmania <b>Life, Death and Chaos with Sequences</b>	 Julie McCann Digital Learning Manager, Modern Teaching Aids <b>ST Maths</b>	 Dr Katy Morris Curriculum Specialist, Aboriginal and Torres Strait Islander Education, ACARA <b>Indigenous Perspectives in the Mathematics Curriculum: Improving Learning Outcomes of Aboriginal and Torres Strait Islander Learners</b>
<b>1.30pm - 1.55pm AFTERNOON TEA</b>							
SESSION 4 2.00pm - 2.45pm	 Michael Minas Mathematics advisor - primary, Love Maths <b>Differentiation through Problem solving</b>	 Alistair Lupton STEM Secondary Teacher <b>Dogball - in the Dog's House</b>	 Louisa Lowe Secondary Teacher <b>Differentiation is not for the Faint Hearted</b>	 Dr John West Mathematics Education consultant; President of the Mathematical Association of WA <b>Hands-on Puzzles, Riddles and Illusions</b>	 Dr Michael Bulmer The University of Queensland <b>Problem-Solving and Modelling Tasks with The Islands</b>	 Alex Bunt Maths and Physics teacher; Education Technology consultant MathSpace <b>Continuous Assessment, Differentiation and Mastery Learning in the Digital Age</b>	 Rachael Whitney-Smith Mathematics Curriculum Specialist, ACARA <b>Australian Curriculum: Mathematics Review - What has changed and why</b>
2.50pm - 3.05pm	<b>QAMT Annual sponsor address</b>						
3.05pm - 3.30pm	<b>QAMT State conference sponsor Competition winners Day 1 announced</b>						
From 3.05pm	Wine and cheese with the QAMT executives, Presenters, Sponsors and Trade delegates						
From 6.30pm	<b>QAMT Annual Sponsor</b>		<b>QAMT State Conference Sponsor 2021 Conference dinner</b>				