

QAMT State Conference 2021



MATHEMATICS
Pathways for
SUCCESS



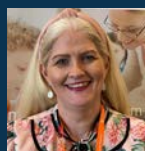
Sponsors



**Saturday 26th and
Sunday 27th June**
**Southport State High
School**
Love Mathematics?
Love Teaching?
Love Research? So do we!

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

Junior Secondary Face to Face Presenters



Jacqueline Clarke
Essential Assessment
Know and grow your students
using Essential Assessment



Stephen Broderick
Secondary Teacher
Fermi Problems and
Mathematical Modelling



Dr Calvin Irons and James Burnett
ORIGO EDUCATION
Why are algorithms linked to
computational thinking in the
revision of the Australian
Curriculum?



Rex Boggs
Retired HOD Mathematics
Ten Top Tips To Transform
Teaching



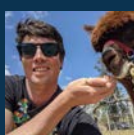
Melissa Hourigan
Secondary Teacher
Graphics Calculators in the
Junior Secondary classroom



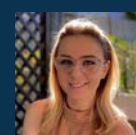
Dr John West
Education consultant
Maths 300



Jim Lowe
Previous Head of Mathematics;
Advisor YuMi Deadly
Mathematics (QUT)
(1) Thinking and Learning
(2) Pathways to Polygons



Alex Bunt
MathSpace
"Continuous Assessment,
Differentiation and Mastery
Learning in the Digital Age"



Bec Burtenshaw
Maths Pathway
Success metrics: do the measures
match our learning values?



Dr Evan Shellshear
Head of Analytics, Biarri
Optimisation
Augmenting Human Creativity via
Maths and AI



Kirsty Morrison Australian
Curriculum: Mathematics QCAA
Consultation of the Reviewed
Australian Curriculum:
Mathematics



Keynote
Professor Merrilyn Goos
University of Limerick
Working with Teachers to Develop
Numeracy Across the Curriculum



Paulina Sliedrecht and Linda Carroll
DoE STEM
M n STEM: Effective evidence-based
pedagogies for your mathematics
classroom



Peter Fox
Texas Instruments
A Visual Approach to Teaching,
Learning and Understanding
Mathematics



Bill Simpson Plenary Closing
Address
Joel Speranza
How not to answer that question



Michael Minas
Creator 'Love Maths'
(1) Differentiation through problem
solving
(2) Reasoning: More than "Can you
explain your thinking?"



Dr Harry Kanasa
Griffith University
Exploring two mathematical
inquiries: The pile of coins or
the car?, and The Towers of
Hanoi



Bronwyn Cochrane
CEO and Founder TIPIAC (Teaching
Indigenous Perspectives in the
Australian Curriculum)
"Embedding Authentic Aboriginal and
Torres Strait Islander Perspectives into
Numeracy Lesson (K-6



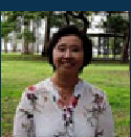
Vivian Lui
Citpointe Christian College; QCAA;
The University of Queensland
Spot It! A Symbolic Card Game



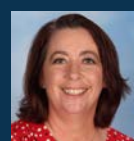
Cran Middlecoate
Its Rocket Science
My Cockpit to your Classroom



Dr Paul Leopardi
Australian National University
Applications of equal area
partitions of the sphere



Louisa Lowe
Advisory Visiting Teacher, State-wide
education advisor, Special Education
teacher
Differentiation is not for the faint-
hearted



Allison Beeforth
Mathscraft
Doing Maths like a
Mathematician



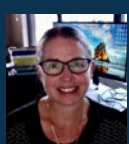
Dr Caty Morris
Curriculum Specialist, Aboriginal and
Torres Strait Islander Education, ACARA
Indigenous Perspectives in the
Mathematics Curriculum: Improving
Learning Outcomes of Aboriginal and
Torres Strait Islander Learners



Professor Peter Grootenboer
Griffith University
Leading Mathematics Learning



Brett Stephenson
HOD Mathematics
Life, Death, Chaos and Sequences



Rachael Whitney-Smith
Mathematics curriculum specialist
ACARA
Australian Curriculum: Mathematics
Review - What has changed and why!



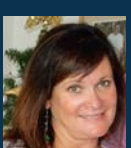
Brenda Kettle
QCAA
Strengthening decimal number
sense



Bill Simpson
Secondary Mathematics and
Chemistry teacher
QAMT Life Member
The Artist and the Mathematician



Paul Bowyer
Mathematical calendar creator and teacher
Using the date to teach Mathematics



Julie McCann
Modern Teaching Aids
ST Maths



Michelle Davis
Brilliant Brains
Modelling growth mindset in the
Classrooms



Aitken Jardine
Secondary Mathematics and Science
Teacher; Advisory Visiting Teacher -
Vision Impairment
Accessible Mathematics for Students
with Visual Impairments



Bill Fowles
Modern Teaching Aids
Latest in Mathematics Education
Technology, Focus on Dynamics



Dr Margaret Marshman
University of the Sunshine Coast
The Pedagogical Beliefs of
Queensland Teachers