



The Power of Numbers

Teaching beyond the mean

2026 QAMT State Conference | QUT | 11-12 JULY

Saturday 11th July

Time	8:00 Registration and coffee					
9:00 – 9:15	President welcome, Housekeeping and sponsor address					
9:15-10:10	Keynote – Dr Caty Morris: Where’s the Mankarr? Connecting mathematics with culture through 9 rich contexts					
	Room 1 (Methods Specialist)	Big room (QCAA, and QAMT)	Room 2 (Junior focus)	Room 3 (Primary Focus)	Room 4 (General, essentials)	Room 5 (commercial)
10:15-11:00 Session 1	Nicholas Lim: What first-year university maths reveals about common conceptual gaps	QAMT: Student events and how to run them	Ryan Linneman: Statistics with Desmos	Fiona Foley: Boost computational fluency with number talks	Peter Flynn: Promoting Statistical thinking (years 10-12 General or Essentials)	Alastair Lupton: Tackling the 2025 QCAA General Maths exam using a Casio fx-8200AU
11:05 – 11:35	Break 1					
11:40 – 12:25 Session 2	Joe Ousby: Unit 4 Trigonometry In the light of Surds and Beyond	QCAA Primary Libby Foley: Statistical investigations	Amanda Mathewson: Moving beyond fluency: Embedding problem solving into classroom practice	James Burnett: Why do some mathematics classrooms achieve more	Harel Urkin: The power of low floor high ceiling open-ended challenges (7-12)	Natasha Kumar: Master the 2025 Specialist Exam: collaborative problem solving (uses TI-Nspire)
12:30-1:15 Session 3	Peter Flynn: Understanding Sample Proportions		Tom Sprenger: What’s the chance I’ll need that again?!	Mike Nelson: Scaffolding in the upper primary years	Mark Ellingham: Using AI with formative assessment	Steven Gill: Casio Managing the Transition: Teaching with Casio fx-1AU GRAPH and fx-CG50AU
1:20-1:55	Break 2					
2:00-2:45 Session 4	David Tynan: Technology-enriched teaching ideas for QCE Mathematical Methods. (uses TI inspire)	QCAA: Methods/ Specialist	Tierney Kennedy: Using relationships tables in essential and junior maths to reduce cognitive load	Sue Carter: Mathematical modelling in the primary classroom	Esther Hohenheim: Stats assignments from prep to 12	James Burnett: Origo AI = Assisted Instruction: Implementing the AC9 in Your Classroom with Origo
2:50-3:35 Session 5			Alexis Evans: Fun Fodder for Maths - A Tale of Two Jellybeans (7-9)	Rebecca Burtenshaw: Rethinking maths assessment (P-10)	Cal Irons: Historical Topics That Can Enrich the Teaching of Geometry/Space	Ellyce Morse: Education Perfect. From Feedback to Framework: Building a Cohesive Mathematics Learning Ecosystem with AI-Driven Insight
3:40-4:30	Panel discussion 1: Current issues in mathematics teaching and learning					

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Sunday 12th July

Time	8:00 Registration and coffee				
9:00 – 9:15	Housekeeping, and update on ATSI, why join QAMT				
9:15-10:10	Keynote 1 for high school – Dr John Eckersley: Sugar mill chimney footing—an applied maths illustration Keynote 2 for primary school – Mrs Suzanne Carter: Dive into Data! It's all about Statistics				
	Room 1 (Methods Specialist)	Big room (QCAA and QAMT)	Room 2 (Junior Secondary)	Room 3 (Primary Focus)	Room 5 (commercial)
10:15-11:00 Session 6	Philip Trezise: Mathematical Modelling with Excel		Alastair Lupton: Variables vary – algebra, animation and ways of thinking	Emma Bird: Play as a pedagogy in mathematics	Melissa Hourigan: Mathematical Modelling & Technology in High School Maths (uses TI calculator)
11:00 – 11:35	Break 1 – morning tea				
11:40 – 12:25 Session 7	Alexander O'Connor: Extension mathematics in year 10	QCAA Junior Sally Birks: Statistical investigations in years 7-10		Tierney Kennedy: Great statistics and probability ideas for early years and primary	David Tynan: Technology-enriched teaching ideas for QCE Mathematical Methods. (uses TI inspire)
12:30-1:15 Session 8	Joe Ousby: Methods and Specialist 2025 Paper 2		Stephen Broderick: QAMT Chicri Maksoud Mathematics Enrichment Activities for Year 7-9	Monique Russell: Measurement or geometry	Matthew Kleidon: Casio Using the Casio fx-1AU for Specialist Mathematics External Exams
1:15-1:55	Break 2 – lunch				
2:00-2:45	Panel interview: Industry professionals and the way they use mathematics for their jobs Facilitated by Tierney, with three industry professionals.				
2:50-3:00	Sponsor talk				
3:00-4:00	Bill Simpson Closing Address – Anja Van Hooydonk and Kate Mason: My favourite maths tasks Bill is attending. Monique or Greg will introduce.				
4:00	Thanks and closing. Prize draw.				