QAMT Capricornia Regional Satellite Conference 2026 – TCC – Fri 26 June 2026 The Power of Numbers: Teaching beyond the mean

Time	Room 1 (Snr secondary)	Room 2 (Primary and Jnr Secondary)	Room 3 (CQU)	Room 4 (Texas Instruments)
8:15	Log in and check connections			
8:30-8:45	Welcome and housekeeping			
8:45 -9:30	**Welcome Keynote –** **Dr. Dushyant Tanna** | PhD, CIV-TAE, MPhil, MSc, BSc, BEd, PGDCA | Lecturer Mathematics | College of ICT, School of Engineering & Technology CQUniversity Australia			
9:30-10:25	Room 1	Room 2	Room 3	
		Year 7 - 10: Using an engagement framework to improve student engagement in mathematics. Andrew McCosh, CSDE	**Methods of solving equations for Juniors** Antony Dekkers, CQU	**Technology-enriched teaching ideas for Years 9-10 Mathematics.** David Tynan, Texas Instruments
10:30-11:25	Room 1	Room 2	Room 3	
		From Feedback to Framework: Building a Cohesive Mathematics Learning Ecosystem with AI-Driven Insight Ellyce Morse, Education Perfect	**From Answers to Thinking: Using AI as a Study Coach in Years 7–10 Mathematics.** *Joy Wang, CQU*	**Technology-enriched teaching ideas for Years 9-10 Mathematics.** David Tynan, Texas Instruments
11:30-12pm	Break 1			
12-12:55	Room 1	Room 2	Room 3	
	Reducing student anxiety for external exam preparation. Andrew McCosh, CSDE		**Know Your Constellation: Teach Every Star** Dr Desley Pidgeon, CQUniversity	**Introducing Teacher Resource Books for QCE Mathematical Methods & Specialist Mathematics** David Tynan, Texas Instruments
1 – 1:55	Room 1	Room 2	Room 3	
	Surviving the Endorsement & Confirmation process in Senior Mathematics. Andrew McCosh, CSDE	**Let's create a BTC lesson.** Suella Lye, Glenmore SHS	**Building algebraic thinking** Roland Dodd, CQU	**Introducing Teacher Resource Books for QCE General Mathematics** David Tynan, Texas Instruments
2:00-2:30	Break 2			
2:30-3:25	Room 1	Room 2	Room 3	
		Computer Skills for Explicit Instruction Resource Preparation Jonathan Ward, Kingsley College		**Technology-enriched teaching ideas for QCE Mathematical Methods.** David Tynan, Texas Instruments
3:30-3:45	Closing and Drinks			

Draft Program – accurate as of 15/05/2026

Session Abstracts			
Jonathan Ward, Kingsley College	Computer Skills for Explicit Instruction Resource Preparation	Computer Skills for Explicit Instruction Resource Preparation with Obsidian, pandoc and an AI-assistant: Example of practice in a small school Explicit Instruction in years 7 to 10 mathematics continues to be a popular method of curriculum delivery for students with low mathematics literacy and numeracy in preparation for guided/non-guided inquiry and problem-solving tasks that provides measurable results. Unfortunately, the required consistency of resources is a major time sink to teachers. A non-textbook solution is available. The sheer number of documents required to be made for EI lessons is a significant time-sink when working with G-drives containing 20 years of lesson material, work-flow disruptions due to student absenteeism, warmup prep and then syncing teacher materials (PowerPoint) and student materials (Word documents). This chat provides an example of managing this challenge and it's consequences for feedback cycles in a small campus and DE school context.	7-10
Ellyce Morse Education Perfect	From Feedback to Framework: Building a Cohesive Mathematics Learning Ecosystem with AI-Driven Insight	In many Mathematics classrooms, instruction, practice and assessment operate as separate events. Feedback is often delayed, mark-focused or disconnected from meaningful next steps. What if feedback became the engine that connects every stage of the learning cycle? Grounded in mastery learning, metacognition and evidence-based feedback research, this interactive workshop explores how schools can align instruction, deliberate practice and assessment into a cohesive learning ecosystem that drives measurable growth.	7-10
Dr Desley Pidgeon CQUniversity	Know Your Constellation: Teach Every Star	What if the key to reaching every student isn't a new strategy , it's knowing who's in the room? Theoremia is a framework of ten mathematical guardians that maps the different ways students think, engage with, and experience mathematics. Come ready to discover your own constellation, recognise your students in the guardians, and leave with practical, curriculum-linked strategies for Years 7, 8 and 9.	7 to 9
Joy Wand, CQU	From Answers to Thinking: Using AI as a Study Coach in Years 7–10 Mathematics.		7-10
Andrew McCosh, CSDE	Year 7 - 10: Using an engagement framework to improve student engagement in mathematics.		7-10

Andrew McCosh, CSDE	Surviving the Endorsement & Confirmation process in Senior Mathematics.	A discussion on surviving the Endorsement & Confirmation process in Senior Mathematics.	11-12
Andrew McCosh, CSDE	Reducing student anxiety for external exam preparation.	A discussion on reducing student anxiety for external exam preparation.	11-12
David Tynan, Texas Instruments	Technology-enriched teaching ideas for QCE Mathematical Methods.	In these two workshops, participants will explore a range of teaching ideas using TI-Nspire technology for various topics within the QCE Mathematical Methods Units 1-4 course. The focus is on ideas that help build strong concept understanding in our students and encourage more effective discernment when using technology tools.	11-12
David Tynan, Texas Instruments	Technology-enriched teaching ideas for Years 9-10 Mathematics.	In these two workshops, participants will explore a range of teaching ideas using TI-Nspire technology for various topics within the Years 9-10 mathematics curriculum (AC V9.0).	9-10
David Tynan, Texas Instruments	Introducing Teacher Resource Books for QCE Mathematical Methods & Specialist Mathematics	Teacher Resource Books have been written for MM & SM Units 1–4 to support teachers using the TI-Nspire CX-II T with their students. In this workshop we will showcase features and classroom examples from these free publications.	11-12
David Tynan, Texas Instruments	Introducing Teacher Resource Books for QCE General Mathematics	Teacher Resource Books have been written for GM Units 1–4 to support teachers using the TI-30X+ MathPrint with their students. In this workshop we will showcase features and classroom examples from this free publication.	11-12
Antony Dekkers, CQU	Methods of solving equations for Juniors	The use of Scale Method and Mirror Method in equation solving. Discussion into the merit of each method developing standing of equation solving for students in Middle secondary to Upper Primary.	
Suella Lye, Glenmore SHS	Let's create a BTC Lesson	Use some of the elements from Building Thinking Classrooms and available resources (textbook) to design a BTC lesson. How do we launch the lesson. Break down the concept of the lesson into sequential "differentiated" learning chunks. How do we consolidate the lesson and Check For Understanding. Bring your laptop and a teaching idea/ concept that you want to create a lesson on. Example lessons from Peter Lilijedahl and some of my own available as a takeaway.	7-10