



QAMTAC18

Mathematics - Game On!

**Saturday 30 June 2018**

	<b>Keynote – Assoc. Professor Anthony Bedford “Net, Set, Count...”</b>					
<b>Session A 8:45 – 9:40</b>						
<b>Session B 9:45 – 10:40</b>	Being 95% confident about things that are not so normal Peter Fox  Room JG.01 <b>Secondary</b>	STEM in a Box  Rodney Anderson  Room JG.02 <b>Junior Secondary</b>	Casio fx-CG50 for Beginners  Charlie Watson  Room JG.03 <b>Secondary</b>	Absorbing shock  Anthony Harradine  Room JG.04 <b>Senior Secondary</b>	Evaluate Maths Casts and Create your Own Linda Galligan & Carola Hobohm  Room J1.01 <b>Junior Secondary</b>	Chance and Data for Early Learners  Jan Cavanagh  Room J1.02 <b>Primary</b>
<b>10:40 – 11:00</b>	<b>Morning Tea</b>					
<b>Session C 11:05 – 12:00</b>	All Tangled Up  Jim Lowe  Room JG.01 <b>Junior /Secondary</b>	Igniting mathematical engagement with number stories for early learners Mellony Graven  Room JG.02 <b>Primary</b>	Discussions from The Classroom and the E-list - A Workshop Joe Ousby  Room JG.03 <b>All</b>	The Mathematical World of Indigenous Australians  Andrew Crisp  Room JG.04 <b>Secondary</b>	STEM Professionals in Schools Program  Josie O’Shea & Jen Hoyle  Room J1.01 <b>Primary and secondary</b>	Developing High Quality Assessment — PSMTs and Examinations QCAA - Luan Phan & Evan Winter Room Performing Arts Complex <b>Junior and Senior secondary</b>
<b>Session D 12:05 – 1:00</b>	Challenging Problems & Student Engagement  Michael Minas  Room JG.01 <b>Primary</b>	Taking Calculus Concepts to the Limit  Peter Fox  Room JG.02 <b>Secondary</b>	Drone Integration Workshop  Lochie Burke & Sean Davies  Room JG.03 <b>Middle Years</b>	Applying Maths in Maritime Engineering  Dr Jean-Roch Nader  Room JG.04 <b>Senior Secondary</b>	Modelling with Quadratics  Stephen Broderick  Room J1.01 <b>Secondary</b>	Targeted Games and Data – we can increase fluency with purpose  Monique Russell  Room J1.02 <b>Primary ( years 3 – 6)</b>
<b>1:00 – 1:40</b>	<b>Lunch</b>					
<b>Session E 1:45 – 2:40</b>	STEAM Camp: PET Car Alarm Project Shelley Cross & Karleigh Nicholls  Room JG.01 <b>Secondary</b>	Are your Year 10s ready for Mathematical Methods and Specialist Maths? Kerri Hill  Room JG.02 <b>Secondary</b>	Financial Literacy Free Resource: ESSI Money Game  Damian Nicholson  Room JG.03 <b>Junior Secondary</b>	Getting More From FX Draw – The Mathematics Drawing Program Paul Hooper  Room JG.04 <b>Secondary</b>	Pearson Queensland Senior Mathematics Series Antje Leigh-Lancaster & Nicola Silva  Room J1.01 <b>Senior Secondary</b>	Designing challenging problems for all students  Leah O’Neill  Room J1.02 <b>Middle Years</b>
<b>Session F 2:45 – 3:40</b>	Unpacking New Senior Maths for 2019 Robert Yen  Room JG.01 <b>Secondary</b>	Transform the Teaching of Mathematics Worldwide Joe Ousby  Room JG.02 <b>All</b>	Critical Numeracy – are teachers game to use it? Ross RAILTON  Room JG.03 <b>Junior Secondary</b>	Introducing Discrete Random Variables Effectively Peter Flynn Room JG.04 <b>Senior Secondary</b>	The Casio CG50AU: The prequel... Elena Zema  Room J1.01 <b>Senior Secondary</b>	Early Years Measurement  Jan Cavanagh  Room J1.02 <b>Primary</b>
	<b>Dinner</b>					



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**Sunday 1<sup>st</sup> July 2018**

	<b>Sunday 1<sup>st</sup> July 2018</b>					
<b>Session G</b> 8:45 – 9:40	<b>Critical Numeracy – are teachers game to use it?</b>  Ross RAILTON  Room JG.01 <b>Junior Secondary</b>	<b>ReSOLVE: Engage and Challenge Students in Measurement</b>  Paulina Sliedrecht & Ben Habermehl Room JG.03 <b>Middle Years</b>	<b>Hands on Materials – a number sense approach using ‘stuff’</b>  Monique Russell  Room JG.04 <b>Primary (P – 6)</b>	<b>Ready, Set – Game-On!</b>  Jim Lowe  Room J1.01 <b>Junior /Secondary</b>	<b>The attributes of high quality mathematics curriculum and assessment</b>  QCAA - Theo Clark & Suzanne Garvey  Room Performing Arts Complex <b>Secondary</b>	
<b>Session H</b> 9:45 – 10:40	<b>Free online Maths Resource, supported by Westpac</b> Andrew Crisp  Room JG.01 <b>Secondary</b>	<b>Casio fx-CG50 Tips and Tricks</b>  Charlie Watson  Room JG.03 <b>Secondary</b>	<b>Are your Year 10s ready for Mathematical Methods and Specialist Maths?</b> Kerri Hill Room JG.04 <b>Secondary</b>	<b>Analysing Amazing Simultaneous Equations with Matrices</b> Peter Flynn  Room J1.01 <b>Senior Secondary</b>	<b>Improving Maths learning outcomes with Education Perfect</b> Emma Stone  Room JG.02 <b>Junior /Secondary</b>	<b>Thinking Flexibly: Using games to develop number sense</b>  Cassandra Lowry  Room J1.02 <b>Early Years</b>
<b>10:40 – 11:00</b>	<b>Morning Tea</b>					
<b>Session I</b> 11:05 – 12:00	<b>Optimal Calculus Problems</b> Peter Fox  Room JG.01 <b>Secondary</b>	<b>Natural Gas and the Exponential Function</b> Anthony Harradine  Room JG.03 <b>Senior Secondary</b>	<b>Casio CG50AU: Using the Statistics Application</b> Elena Zema  Room JG.04 <b>Senior Secondary</b>	<b>Diagnostic &amp; Formative Testing Using TI-Nspire</b> Melissa Hourigan  Room J1.01 <b>Junior Secondary</b>	<b>Engaging students with Maths video games</b> Yuji Takahashi  Room JG.02 <b>Junior /Secondary</b>	<b>11 Gonski 2.0 recommendations that will get you measurable results in maths</b> Laura Marinesco Room J1.02 <b>All</b>
<b>Session J</b> 12:05 – 1:00	<b>How to Use the TI Nspire CX NON CAS calculator</b> Shelley Cross & Karleigh Nicholls Room JG.01 <b>Secondary</b>	<b>The Mathematics and Science of Drones</b> Linda Brook & Sean Davies  Room JG.03 <b>Junior Secondary</b>	<b>Modelling with Trigonometric Functions</b>  Stephen Broderick  Room JG.04 <b>Senior Secondary</b>	<b>Building Persistence and Resilience</b>  Leah O’Neill  Room J1.01 <b>Middle Years</b>	<b>Unleashing the Power of the TI Innovator Rover</b>  Sanjeev Meston  Room J1.02 <b>Secondary</b>	
<b>1:00 – 1:40</b>	<b>Lunch</b>					
<b>Session K</b> 1:45 – 2:40	<b>Evaluate mathscasts and create your own</b> Linda Galligan & Carola Hobohm Room JG.01 <b>Junior Secondary</b>	<b>Open Ended Questions in Problem Solving</b> Jacinta Blencowe  Room JG.03 <b>Middle Years</b>	<b>Where is Leonhard Euler in the QLD Mathematics Syllabus?</b> John Steinbach Room JG.04 <b>Junior/Secondary</b>	<b>Senior Mathematics and Science — What’s (new) in statistics?</b>  QCAA -Warren Richards + Sue Jones  Room Performing Arts Complex <b>Secondary</b>		
<b>Session L</b> 2:45 – 3:40	<b>William Simpson Practitioner Plenary</b> <b>Making the Connection: The Winning Strategy</b> <i>Patricia Hosking</i>					
	<b>Prize Draw 3:45 – 4:00</b>					