

MATHEMATICS: CONFIDENT TEACHERS AND ENGAGED LEARNERS (V9)



Brisbane South State Secondary - Auditorium
9:00 AM to 3:30PM
5 June 2023

THE SPEAKERS



**Rob
Proffitt-White**



**Catherine
Attard**



**Merrilyn
Goos**



**Monique
Russell**

DISCUSSIONS AND INSIGHTS

9:15AM DEVELOPING NUMERACY ACROSS THE CURRICULUM

This interactive session with Merrilyn draws on a 15-year research and professional development program that developed strategies for embedding numeracy across the primary and secondary school curriculum. I will aim to stimulate discussion on the meaning of numeracy in cross-curricular contexts and examine the inherent numeracy demands of different learning areas.

11:15AM MATHS EDUCATION: ENGAGING ALL LEARNERS

In this session Catherine will unpack the definition of engagement and introduce her Framework for Engagement with Mathematics. Catherine will discuss the challenge of engaging students and their teachers, and will suggest a range of strategies to address engagement.

2:00PM STAY CALM! MATH TIPS AND TAKEAWAYS

During this presentation Rob will share the impact and evidence of this work in Queensland with the schools that are currently engaged with the TLF Maths programs. He will, as always, cut to the chase and make V9 of the Australian Curriculum in Maths look easy – from policy to practice!

3:00PM NUMERACY CAPABILITY

All educators, as leaders of numeracy, require a collective understanding of numeracy and its connection to Mathematics as providing the underpinning knowledge, skills and understandings required for its application within all learning areas. The critical orientation in which Numeracy capability thrives, sets it apart from Mathematics.

The Queensland Department of Education recognises numeracy as a critical general capability and 21st century thinking skill. From Kindergarten, through Prep to Year 10, into Senior Secondary and ultimately in life beyond school, having robust Numeracy capability is critical to children and students' ability to learn and engage productively and successfully in the world. Central to achieving this is the role of education in providing children and students with quality numeracy experiences and tasks embedded through all learning areas and subjects.

To support the evidence-based approach to building numeracy capability, four Core Actions have been developed for state school leaders and teachers. These four actions will provide the template for schools to realise the numeracy potential of every student.

REGISTRATION

<https://tinyurl.com/tlfmath2023>

SPEAKER BIOGRAPHIES



Rob Proffitt-White

Rob Proffitt-White is Executive Director Maths, at The Learner First in Christchurch. As an influential educator in both Australia and Aotearoa, NZ Rob is a recognised leader in Mathematics. From 2013 to 2019 he worked with Queensland Schools using resources from his award-winning Maths Alliances in enacting best practice routines for a balanced and sustaining approach for teaching maths across primary and high school settings. Putting The Learner First in Maths was recognised by the New Zealand Ministry in getting all schools ready for a refreshed curriculum – a short course to empower all teachers to differentiate and assess “in the moment”. With over 200 schools engaged in 2023 he is committed to showing teachers and leaders how they can balance explicit and inquiry practices, support all learners, and extend knowledge with rich everyday routines. Holistic and consistent assessment tools and practices are modelled.



Catherine Attard

Catherine is a Professor in Mathematics Education and Deputy Director of the Centre for Educational Research within the School of Education. Catherine's research is focused on student engagement with mathematics and issues surrounding the pedagogical practices that influence students' engagement. Catherine is also actively researching contemporary teaching practices through the use of digital technologies, and she is a Chief Investigator on an Australian Research Council Discovery grant investigating the practices of middle leaders in Australian schools. Catherine regularly presents keynotes and professional learning and also the author of the leading mathematics education blog, engagingmaths.com, author of several popular mathematics teacher resource books and co-author of the book *Technology-enabled Mathematics Education: Optimising Student Engagement*.



Merrilyn Goos

Merrilyn Goos is Professor of Education at the University of the Sunshine Coast. From 2017-2021 she was Professor of STEM Education and Director of EPI*STEM, the National Centre for STEM Education, at the University of Limerick in Ireland. Before moving to Ireland, she worked for 25 years at The University of Queensland as a mathematics teacher educator following her previous careers as a food technologist and teacher of mathematics, chemistry, and food science in secondary schools and technical colleges. She is a Life Member of the Queensland Association of Mathematics Teachers, a past President of the Mathematics Education Research Group of Australasia, and currently Vice-President of the International Commission on Mathematical Instruction. She is also the lead author of two teacher education reference books on teaching secondary school mathematics and embedding numeracy across the school curriculum, both of which are widely used in Australian universities.



Monique Russell

Monique Russell has been a classroom and specialist teacher, Head of Curriculum, Numeracy coach and Principal Advisor in state schooling for over 32 years. In her role as Principal Project Officer – Numeracy for Teaching, Leadership, Rural and Remote, Monique has been integral to the development of the department's Numeracy initiatives, including the Numeracy P-12 research paper, P-10 Numeracy continuum and Teaching Ideas – Numeracy and provided both mathematics and numeracy advice across teams.

LOCATION

Brisbane South State Secondary

179 Annerley Rd,
Dutton Park,
Queensland 4102, Australia

