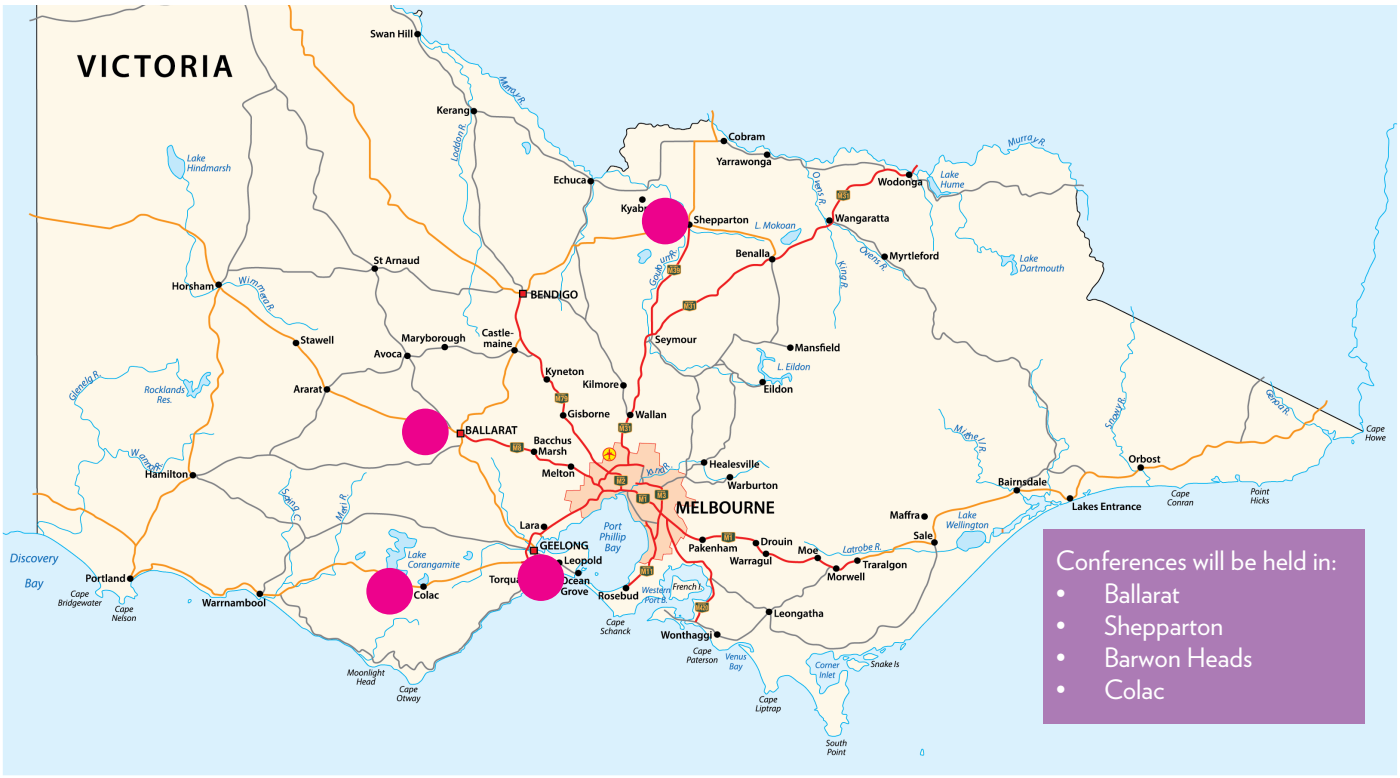
REGIONAL MATHEMATICS CONFERENCES



Conferences will be held in:

- Ballarat
- Shepparton
- Barwon Heads
- Colac

TRANSFORMING MATHEMATICS EDUCATION: STRATEGIES FOR EMPOWERMENT, ENGAGEMENT, AND EXCELLENCE

IMMERSIVE SESSIONS, INSPIRING CONTENT

- Connecting the Victorian Teaching and Learning Model to the teaching and learning of mathematics.
- Adapting to the Victorian Curriculum 2.0: Comprehensive guidance on the effective planning and assessment of mathematical modelling and statistical investigations.
- Challenging and supporting students in mathematics: effective use of manipulatives, representations, tasks, and resources.
- Explicit instruction, teaching and learning: understanding theory and pedagogies.
- Empowering students to develop their own problem-solving strategies: effective teaching techniques.
- Building student independence and motivation: fostering active learning and metacognitive skills.

WHERE AND WHEN

28 February 2025: Greater Shepparton Secondary College *(Primary, Secondary, VCE)*

14 March 2025: Ballarat Tech Centre *(Primary, Secondary, VCE)*

20 June 2025: Clifton Springs Primary School, Barwon Heads *(Primary, Secondary)*

5 September 2025: Colac Secondary College *(Primary, Secondary)*

Learn more about the 2025 regional mathematics conferences at: www.mav.vic.edu.au/conferences/regional

Registrations are essential.
Primary/secondary stream: members $200, non members $250
VCE stream: members $360, non members $450

THE MATHEMATICAL ASSOCIATION OF VICTORIA

REGISTER AT WWW.MAV.VIC.EDU.AU/EVENTS OR CALL +61 3 9380 2399

Transforming mathematics education

This conference focuses on transforming mathematics education through a comprehensive exploration of teaching strategies and pedagogies designed to engage and empower students. Participants will learn to connect the Victorian Teaching and Learning Model (VTLM 2.0) to effective maths instruction, whilst aligning to the Victorian Mathematics Curriculum. Sessions will explore the design, planning, and assessment of mathematical modelling and statistical investigations, responding to changes in the curriculum by integrating real-world problem-solving and critical thinking. Teachers will also gain insights into the effective use of manipulatives, visual representations, and differentiated tasks to support diverse learners and foster deeper understanding. The conference will cover the role of Explicit Instruction in breaking down complex skills and the importance of building student independence through active learning and metacognitive strategies. A key focus will be on empowering students to develop their own problem-solving strategies, encouraging critical thinking and reflection. **By the end of the conference, educators will be equipped with innovative tools and techniques to foster a learning environment that promotes independence, motivation, and deeper engagement in mathematics.**

8.30am	Registration		
9.15am - 10am Keynote session A	**Connecting teaching and learning models and curriculum in the mathematics classroom** This session delves into the elements of learning and teaching within the Victorian Teaching and Learning Model 2.0, viewed through a mathematical lens. Participants will explore how to harness the VTLM principles alongside the Victorian Mathematics Curriculum to design lessons that are both standards-aligned and student-centred. The workshop offers practical strategies for integrating the curriculum's key proficiency strands – Understanding, Fluency, Problem Solving, and Reasoning – into everyday teaching, equipping educators to deliver engaging and impactful mathematics lessons.		
10am - 11am Session B	**The Huddle (Years F - 10)** Play On: Sporty and playful learning activities to help students master their maths. Sport can be the ultimate hook and student leveler, but not just in PE. This workshop introduces teachers to some of The Huddle's innovative and free sport-themed Maths and STEM resources for students working from Levels 3 – 7. Experience firsthand how sport and play can strengthen student engagement in the mathematics classroom. Teachers will leave this session with a new arsenal of resources and ideas that are guaranteed to get students kicking their maths goals.	**Casio (Years 7 - 10)** Explore the powerful features of the Casio ClassPad in this hands-on workshop. Discover practical strategies and classroom applications to support effective teaching of mathematics at various levels. -CANCELLED -	**Texas Instruments (Years 7 - 10)** Delve into the versatile capabilities of the TI-Nspire in this interactive workshop. Uncover actionable strategies and practical classroom applications to enhance mathematics teaching across various levels.
11am - 11.30am	Morning tea		

11.30am - 1pm Session C	**Designing, planning, and assessing mathematical modelling tasks: adapting to vhanges in the Victorian Curriculum 2.0 (Years F - 10)** This workshop will introduce the updated Victorian Curriculum 2.0, highlighting its increased focus on mathematical modelling as a vital tool for developing students' problem-solving, critical thinking, and real-world application skills. Participants will learn what mathematical modelling entails, its purpose, and its educational value. The workshop will provide strategies for designing engaging, curriculum-aligned modelling tasks, along with practical tips for effectively launching and facilitating these tasks to promote collaborative problem-solving. Emphasis will be placed on encouraging student exploration, questioning, and iterative thinking to deepen their mathematical understanding. Additionally, the session will cover aspects of empowering students to develop their own problem-solving strategies.
1pm - 2pm	Lunch
2pm - 3pm Session D	**Explicit teaching in the mathematics classroom** This workshop explores the power of explicit teaching as a highly effective approach to enhancing students' mathematical understanding. Participants will delve into the seven essential components of explicit learning, grounded in mathematics education research, and discover practical strategies to design and deliver meaningful instruction. The workshop will address key questions such as: what is explicit teaching and how can it transform mathematics learning? Through interactive activities, attendees will learn how to structure lessons, use intuitive strategies, and facilitate rich mathematical discourse to make concepts clear, engaging, and accessible for all learners.

VCE stream

8.30am - 9am	Registration			
9am - 10am	Calculators - Texas Instruments		Calculators - Casio	
10am - 11am	**Foundation** Meet the Examiners session -CANCELLED -	**General** Meet the Examiners session Exam 1 Rob Vermay, Mathematics consultant	**Methods** Meet the Examiners session Exam 1 Allason McNamara, Trinity Grammar School	**Specialist** Meet the Examiners session Exam 1 Sue Garner, Mathematics consultant
11am - 11.30am	Morning tea			
11.30am - 1pm	**Foundation** Topic discussion -CANCELLED -	**General** Meet the Examiners session Exam 2 Fiona LaTrobe, Mathematics consultant	**Methods** Meet the Examiners session Exam 2 Allason McNamara, Trinity Grammar School	**Specialist** Meet the Examiners session Exam 2 Sue Garner, Mathematics consultant
1pm - 2pm	Lunch			
2pm - 3pm	**Foundation** SAC session -CANCELLED -	**General** SAC session Fiona LaTrobe, Mathematics consultant	**Methods** SAC session Sue Garner, Mathematics consultant	**Specialist** SAC session James Mott, CHES

Registration information

WHERE AND WHEN

Date	Location	Streams
28 February 2025	Greater Shepparton Secondary College, 31-71 Hawdon St, Shepparton	Primary, Secondary, VCE
14 March 2025	Ballarat Tech Centre 136 Albert St Ballarat	Primary, Secondary, VCE
20 June 2025	Clifton Springs Primary School 70-118 Jetty Rd Clifton Springs	Primary, Secondary
5 September 2025	Colac Secondary College 173 Queen St, Colac	Primary, Secondary

REGISTRATIONS ARE ESSENTIAL. BOOK YOUR PLACE AT WWW.MAV.VIC.EDU.AU/EVENTS

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