



4th Annual Primary Mathematics Conference

Developing Mathematical Minds

Anita Chin Mathematics Consultancy

Setting our students up for success

Every child has a mathematician's mind and the potential to be great at maths. How can we as teachers engage children and inspire them to become deep mathematical thinkers?

What strategies can we use to develop resilient learners who embrace a challenge, value the process of working through a problem, and celebrate finding multiple solutions, instead of giving up when it gets 'too hard'?

This game-changing conference prepares educators for the critical role of developing curious, creative and confident mathematical thinkers of the future.

Who should attend?

School teams of up to 8 participants, including:

- Classroom teachers
- Instructional leaders
- Maths leaders and maths team members
- Principals, Deputy Principals and Assistant Principals

Learn from some of Australia's top mathematical minds

Featuring some of Australia's greatest primary maths experts, including keynote speaker **Emeritus Professor Dianne Siemon from RMIT**, Developing Mathematical Minds is arguably the most powerful conference we've ever held.

Our expert speakers also include:

- Anita Chin, Anita Chin Mathematics Consultancy, NSW
- Dr Calvin Irons, ORIGO Education, QLD
- Emma Campbell, Maths Master Class, NSW
- James Burnett, ORIGO Education, QLD
- Dr Judy Hartnett, Making Maths Reason-able, QLD

Participants get
5 NESA hours,
and because the conference
is on a Saturday, no need
to find cover for
your classes!

2020 conference highlights:

- Dr Di Siemon's keynote address, as well as your choice of 15 workshops from Di and other experts
- An optional Q&A session with our speakers
- Our first conference app to give you all the event information in the palm of your hand
- Two handpicked exhibitors: ORIGO Education with maths resources, and Elizabeth Richards with equipment and storage solutions
- Electronic and printed resources from every speaker and invaluable ideas to use in your classrooms the very next school day
- An amazing day of maths inspiration, networking and learning how to develop mathematical minds at the spacious and stunning Novotel, Sydney Olympic Park.



Novotel, Sydney Olympic Park
Saturday 8 August 2020

Find out more and get your tickets at
www.primarymaths2020.com.au
Questions? Contact Cindy at cindy@anitachinmaths.com.au



Your expert speakers



Experts in Developing Mathematical Minds

This phenomenal lineup of speakers has been handpicked by Anita Chin because of their extensive experience, passion and practical knowledge across maths education and academia. They've changed the face of primary mathematics in Australia with their research, curriculum development, and delivery of professional learning in schools.



KEYNOTE

DR DIANNE SIEMON - Emeritus Professor, RMIT University, Victoria

Dr Dianne Siemon has been educating maths teachers for more than 30 years. As Professor of Mathematics Education at RMIT University in Victoria, she is involved in the professional development of practising teachers, particularly in relation to the development of the 'big ideas' in numbers and the use of rich assessment tasks to inform the teaching and learning of mathematics in Years K to 10. An active researcher, Di has led a number of large-scale research projects. She is an Australian Association of Mathematics Teachers past President and co-author of Teaching Mathematics: Foundations to Middle Years.



DR CALVIN IRONS - ORIGO Education, Queensland

Dr Calvin Irons has been involved with curriculum development and primary mathematics teaching for over 50 years. Over his 39 years at Queensland University of Technology, he taught mathematics to thousands of pre-service primary teachers, wrote hundreds of primary mathematics teaching articles and books for the classroom, and conducted workshops across Australia. From 2015-2018 for Thailand's Institute for the Promotion of Science and Technology, he wrote PL materials for all of Thailand's primary school mathematics teachers. Based again in Australia, Calvin is eager to continue progressing Australian mathematics education.



EMMA CAMPBELL - Maths Master Class, New South Wales

Emma Campbell is an independent mathematics consultant assisting teachers to develop their mathematics content knowledge and pedagogy. As Senior Curriculum Officer Mathematics 2011-2012 at NESA, she developed the 2012 NSW Mathematics K-10 Syllabus for the Australian Curriculum and associated support materials. Emma is particularly interested in curriculum design and the K-12 continuum of learning in maths, and passionate about assisting teachers to implement logical and creative maths learning pathways. She believes language and visual representations are critical in improving learning in maths classrooms.



JAMES BURNETT - ORIGO Education, Queensland

James Burnett is ORIGO Education's co-founder and CEO. He is passionate about making maths meaningful, enjoyable and accessible for all students and teachers. He has authored and contributed to over 300 maths resources for teachers and students aged 5-12 and regularly speaks across Australia and North America. James aims to lift the profile of maths through dynamic PL and innovative classroom resources. His awards include 2009 Ernst & Young Entrepreneur of the Year; the Elementary Publisher of the Year (Australia); and Learning Magazine's 2018 Teacher's Choice for ORIGO's core K-6 mathematics program, Stepping Stones.



DR JUDY HARTNETT - Making Maths Reason-able, Queensland

Dr Judy Hartnett is a Mathematics Education Consultant working in schools to support teachers to improve mathematics learning outcomes for their students. With a primary teaching background and a passion for maths teaching, Judy has worked as a maths education advisor in the government and Catholic education systems, and in universities, for more than 25 years collectively. In 2019, Judy co-created 'Learning Through Doing', which provides teachers with detailed inquiry lessons, videos, webinars and professional development all through an online platform. The website is growing and has nearly 100 lessons so far.



Find out more and get your tickets at

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Introducing ANITA CHIN



ANITA CHIN - Anita Chin Mathematics Consultancy, NSW

A leading expert in Australian primary mathematics education, Anita works with schools across Australia to transform teachers and executive team members into confident, inspired mathematics educators and leaders. She does this by delivering a deep, whole-school understanding of the mathematics curriculum, along with innovative teaching techniques that inspire and delight.

Anita is the Founder and Learning Strategist K-8 at Anita Chin Mathematics Consultancy, which offers tailored whole-staff PL in schools, Anita's famous demonstration lessons, her ChinLEAD series of maths leadership courses, practical after-school ChinUP workshops and popular annual team-based conferences. She loves taking primary educators on a journey of discovery, and helping them to build the next generation of deep mathematical thinkers.

In 2018, Anita co-authored *The Whole-School Approach to Mathematics K-6 Model*, and she has also released a series of ChinHOW guides to help primary schools transform the teaching and learning of maths. In addition, Anita has created an abundance of free maths resources that are available on her website, www.anitachinmaths.com.au. They include everything from printables for classroom use to tips about storage of maths equipment.

Anita's 2020 primary mathematics conference

Anita is excited to be bringing you her 4th Annual Primary Mathematics Conference. She feels extremely privileged to bring these phenomenal speakers together for you to learn from. It's the highlight of her year to share in this ChinTASTIC day of learning and celebrate mathematics teaching with more than 300 primary educators from across the country.

In her two conference workshops, Anita will explore what developing mathematical minds looks like, from two different sides of the coin: planning and implementing. Drawing on content from Anita's exclusive ChinLEAD series of PL, her leadership workshop empowers leaders to inspire and support their staff. Then, her workshop for teachers shows how to implement hands-on concrete materials to get students thinking like mathematicians.



A school team with Anita Chin at one of her Annual Primary Mathematics Conferences.

Leading a whole-school approach to developing mathematical minds

Be empowered with three strategies to lead the development of mathematical thinking at your school:

- Forming a dedicated maths crew
- Building content knowledge in your staff
- Implementing a consistent lesson structure for maths K-6.

Delve into what a whole-school approach to maths looks like and how it can be used to plan your school's transformation of the teaching and learning of mathematics.

This workshop is for maths leaders and school leaders, K-6.

Connecting concepts for all learners: getting the most from your concrete materials

Become the student to experience what deep mathematical thinking looks, sounds and feels like using concrete materials found in most classrooms.

Learn how to help students connect concepts by using concrete materials, language, visual models and written recordings: Make it, say it, draw it, write it!

This workshop is for all teachers and leaders, K-6.



Find out more and get your tickets at
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Conference Program | Saturday 8 August 2020



For the first time ever, we have 15 workshops to choose from, all designed by year level and career stage, making sure there's something for everyone. Some of the workshops will even be repeated to make it easier for schools to get to the workshops they need.

ECT - Early career teachers
 EXP - Experienced teachers
 ML - Maths Leaders ie. your school maths team - teachers who are passionate about maths
 SL - School Leaders ie. Principals, Deputy Principals, Assistant Principals, and other executives

Time	Event	Speakers	Year Level	Career Stage
8:00 - 8:30 am	Registration			
8:30 - 8:50 am	Opening address: Developing mathematical minds	Anita Chin	K-6	ECT, EXP, ML, SL
8:50 - 9:50 am	Keynote address: You don't need to differentiate everything - it's the Big Ideas that make a difference!	Dianne Siemon	K-6	ECT, EXP, ML, SL
9:50 - 10:00 am	Housekeeping	Karyn Chin		
10:00 - 10:30 am	Morning tea			
10:30 - 11:45 am Concurrent Session A				
	A1: Leading a whole-school approach to developing mathematical minds	Anita Chin	K-6	ML, SL
	A2: How to build basic fact strategies from conceptual understanding - rather than gimmicks!	James Burnett	K-2	ECT, EXP, ML
	A3: Using the Singapore Model Method for problem solving	Emma Campbell	Y3-6	ECT, EXP, ML
	A4: Want to embed mathematical thinking? Fractions are the foundations	Calvin Irons	Y3-6	ECT, EXP, ML
	A5: Getting young mathematical minds measuring	Judy Hartnett	K-2	ECT, EXP, ML
11:45 - 12:00 pm	Morning snack			
12:00 - 1:15 pm Concurrent Session B				
	B1: Connecting concepts for all learners: getting the most from your concrete materials	Anita Chin	K-6	ECT, EXP, ML, SL
	B2: Making the most of meaningful models to inspire mathematical thinking	James Burnett	Y3-6	ECT, EXP, ML
	B3: Using the Singapore Model Method for problem solving	Emma Campbell	Y3-6	ECT, EXP, ML
	B4: Partitioning - the key to developing fraction knowledge and confidence in budding mathematicians	Dianne Siemon	K-6	ECT, EXP, ML
	B5: Planning lessons for Y3-6 that develop mathematical minds	Judy Hartnett	Y3-6	ECT, EXP, ML, SL
1:15 - 2:00 pm	Lunch & team reflection			
2:00 - 3:15 pm Concurrent Session C				
	C1: Connecting concepts for all learners: getting the most from your concrete materials	Anita Chin	K-6	ECT, EXP, ML, SL
	C2: Partitioning - the key to developing fraction knowledge and confidence in budding mathematicians	Dianne Siemon	K-6	ECT, EXP, ML
	C3: Mathematical English: understanding language difficulties so students can think like mathematicians	Emma Campbell	Y3-6	ECT, EXP, ML
	C4: Developing efficient mental strategies for multiplication and division: from number facts to beyond	Calvin Irons	Y3-6	ECT, EXP, ML
	C5: Planning lessons for K-2 that develop mathematical minds	Judy Hartnett	K-2	ECT, EXP, ML, SL
3:15 - 3:25 pm	Prizes and optional close			
3:30 - 4:00 pm	Optional Q&A with speakers	Various speakers	K-6	ECT, EXP, ML, SL



Completing Anita Chin 2020 4th Annual Primary Mathematics Conference: Developing Mathematical Minds will contribute 5 hours of NSW Education Standards Authority (NESA) Registered PD addressing 2.5.2 and 6.2.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

TICKET PRICES (incl. GST) per person.		
	EARLY BIRD Closes Friday 14 February 2020 (T1, wk 3)	FULL PRICE Closes Friday 3 July 2020 (last day of Term 2)
Individuals	\$360	\$400
Teams (up to 8)	\$335	\$380



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