

MONDAY, 2 JULY

08:00 – 10:00: Registration

Information centre

10:00 – 10:20: Tea

Hall entrance

10:30 – 12:00: Opening Ceremony

Hall

Session 1 (Plenary 1): 12:10 – 13:10

Preparing every learner for a changing world

Cathy Seeley, ZENEX guest speaker

Hall



Legend

□□□□ ← FET

LP, SP = Long/short paper

HIT = How I Teach

WS = Workshop

Key = Invited keynote lecture

MM = Maths Market

AC = Activity Centre

DIS = Discussion

H = Hall

13:10 – 14:10: Lunch

Hall entrance service points

Session 2 (Parallel session 1): 14:10 – 16:15

Audience Type	Title of presentation	Venue	Time
□□□□ Key	<i>Border patterns, tessellations & problem solving with transformations</i> – Michael de Villiers	H	14:10–15:10
□□□□ Key	<i>Critique of mathematical models and applications: A necessary component of Mathematical Literacy</i> – Cyril Julie	H	15:15–16:15
□□□□ WS	<i>Sharing: A mathematical life skill</i> – Roshni Govender	24	14:10–16:15
□□□□ WS	<i>Action Fractions: Investigating fractions in a different way</i> Eva Biebuyck	5	14:10–16:15
□□□□ WS	<i>Teaching the basic operations with fractions without recipes</i> Amanda le Roux	6	14:10–16:15
□□□□ LP	<i>Cognitive architecture for algebraic division: Base ten decomposition – an emulation of the 'real thing'</i> – Jacques du Plessis	11	14:10–15:10
□□□□ LP	<i>A multiple case study of parental involvement with grade 8 learners of mathematics</i> – V. G. Govender	11	15:15–16:15
□□□□ WS	<i>An introduction to Geometer's Sketchpad</i> – Sue Southwood	ITA	14:10–16:15
□□□□ WS	Office tools for teaching (Draw, Equation Editor ...) – Maggie Verster	ITB	14:10–16:15
□□□□ DIS	Discussion with Cathy Seeley	3	14:10–15:10
□□□□ MM	<i>Africa meets Africa: The Maths of African bead work and weaving</i>	4	14:10–16:15
□□□□ MM	Siyakhanyisa Study Support Initiative: <i>Maths Motivational Workshop</i>	26	14:10–15:10
□□□□ MM	Heinemann: Classroom Mathematics CD assessment bank Gr 12	26	15:15–16:15

16:15 – 16:45: Coffee

Service points

Session 3: 16:45 – 17:45

Regional Meetings

Eastern Cape	3	KwaZulu-Natal	7	Northern Cape	17
Free State	5	Limpopo	11	North West	21
Gauteng	24	Mpumalanga	15	Western Cape	6

19:00 – Welcoming Dinner

Hall

TUESDAY, 3 JULY

Session 4 (Parallel session 2): 08:30 – 10:35

Audience	Type	Title	Venue	Time
□□□□	Key	<i>Reflections on Teaching Mathematics in South Africa</i> Tamsanqa Kambule	H	08:30–09:30
□□□□	Key	<i>Looking at how a grade six educator promotes conceptual understanding when introducing mixed and improper fractions</i> Lindiwe Tshabalala	H	09:35–10:35
□□□□	WS	<i>Fractions: A count down to success</i> – Susan Swart	24	08:30–10:35
□□□□	WS	<i>A bag of stones: Developing a conception of number for teachers</i> Kaashief Hassan & Gary Powell	5	08:30–10:35
□□□□	WS	<i>Origami Platonic Solids: A creative way to teach 3-D problem solving and 2-D geometry (I of II)</i> – Eva Biebuyck	11	08:30–10:35
□□□□	WS	<i>An introduction to Geometer's Sketchpad (repeat)</i> – Sue Southwood	ITA	08:30–10:35
□□□□	WS	<i>Living functions</i> – Bruce Tobias	14	08:30–10:35
□□□□	LP	<i>Failing by example: Initial remarks on the constitution of school mathematics</i> – Zain Davis & Yusuf Johnson	6	08:30–09:30
□□□□	LP	<i>Analysis of students' misconceptions in the simplifications of integers</i> – Modisaemang Molusi	6	09:35–10:35
□□□□	MM	Siyakhanyisa Study Support Initiative: <i>Maths Motivational Workshop</i>	4	08:30–09:30
□□□□	MM	Nasou Via Afrika: <i>Resources to teach Mathematics</i>	4	09:35–10:35
□□□□	MM	Heinemann: <i>What is new in Mathematics Grade 12?</i>	26	09:35–10:35

10:35 – 11:05: Tea

Service points

Session 5 (Plenary 2): 11:05 – 12:05

Mathematical applications, modeling and technology

Michael de Villiers, CASIO guest speaker



Hall

Session 6 (Parallel session 3): 12:10 – 13:10

Audience	Type	Title	Venue	Time
□□□□	Key	<i>A journey in algebraic thinking, starting in Grade 1</i> Cathy Seeley	H	12:10–13:10
□□□□	LP	<i>An exploratory study into the introduction of Mathematical Literacy in Western Cape high schools</i> – Monde Mbekwa	15	12:10–13:10
□□□□	LP	<i>Understanding connections in school mathematics texts</i> Willy Mwakapenda	11	12:10–13:10
□□□□	LP	<i>Between understanding the language and understanding the Maths? Translating from written to symbolic form in a multilingual algebra classroom</i> – Anthony Essien	3	12:10–13:10
□□□□	LP	<i>Maths fear in second-year B. Compt students: The effect on examination results and study behaviour</i> – Carolyn Nesor	17	12:10–13:10
□□□□	LP	<i>Growing pains of an online community of practice for Mathematical Literacy teachers</i> – Maggie Verster & Duan van der Westhuizen	14	12:10–13:10
□□□□	MM	Rooke Maths: <i>Rookemaths' games for primary school</i>	4	12:10–13:10
□□□□	MM	MML: <i>Maths Formulas Pocket Book</i>	26	12:10–13:10

13:10 – 14:10: Lunch

Service points

TUESDAY, 3 JULY cont.

Session 7 (Plenary 3): 14:10 – 15:10

Innocence of realistic tasks: teachers' perspectives

Godfrey Sethole, CASIO guest speaker

Hall



Session 8: 15:15 – 16:15

AMESA Annual General Meeting

Hall

16:15 – 16:45: Coffee

Service points



Session 9 (Parallel session 4): 16:45 – 17:45

Audience Type	Title	Venue	Time
□□□□ WS	<i>Inspiring all – using creativity to teach mathematics in the primary classroom</i> – Tyger Yegambaram	24	16:45–17:45
□□□□ WS	<i>Practical games that will make OBE work in a classroom</i> Cecilia Rooke	5	16:45–17:45
□□□□ WS	<i>Generalisation of growing patterns</i> – FRP Malan & AB Posthuma	6	16:45–17:45
□□□□ SP	<i>Some Sums</i> – Sue Southwood	21	16:45–17:15
□□□□ HIT	<i>How we teach frequency and relative frequency</i> Nomfundo Zitumane & Busi Maki	21	17:15–17:45
□□□□ HIT	<i>How I teach scatter diagrams</i> – Johannes Februarie	17	16:45–17:15
□□□□ HIT	<i>How I teach the median</i> – Mamoshibudi Mabale	17	17:15–17:45
□□□□ WS	<i>Mathematical Literacy ACE teachers' perceptions about the implementation of Mathematical Literacy</i> – Janine Hechter	14	16:45–17:45
□□□□ LP	<i>Math on Mxit: The medium is the message</i> – Laurie Butgereit	H	16:45–17:45
□□□□ LP	<i>Using multiple languages to support mathematics proficiency in a grade 11 multilingual classroom of second language learners</i> Terence Baron Molefe	11	16:45–17:45
□□□□ SP	<i>The need for research into maths fear in South Africa: A physiologically-based assessment of the legitimacy of the concept of maths fear</i> – Carolyn Nesor & Nic Els	3	16:45–17:15
□□□□ SP	<i>Mathematical Literacy: terminator or perpetuator of mathematics anxiety?</i> – Nelis Vermeulen	3	17:15–17:45
□□□□ DIS	Discussion with Michael de Villiers	15	16:45–17:45
□□□□ DIS	Discussion with Godfrey Sethole	7	16:45–17:45
□□□□ MM	Cambridge: <i>Study and Master Mathematics and Maths Literacy</i>	4	16:45–17:45
□□□□ MM	MML: <i>Exam Bank CD-ROM</i>	26	16:45–17:45

18:00 – 19:00: Happy hour

Marquee tent

WEDNESDAY, 4 JULY

Session 10 (Parallel session 5): 08:30 – 10:35

Audience Type	Title	Venue	Time
□□□□	Key <i>Application of a computerised classroom assessment system for improving learning – Anil Kanjee</i>	H	08:30–09:30
□□□□	Key <i>Dialogical engagement between theory and observations with reference to weakly classified activities – Godfrey Sethole</i>	H	09:35–10:35
□□□□	WS <i>Managing the numeracy learning programme by making use of the plotting guide of GDE – Marieta Miller</i>	24	08:30–10:35
□□□□	AC <i>Drums, body percussion and rhythm; music makes maths fun</i> Neil Jourdan & Bonny Phillips	5	08:30–10:35
□□□□	WS <i>Origami Platonic Solids: A creative way to teach 3-D problem solving and 2-D geometry (II of II) – Eva Biebuyck</i>	21	08:30–10:35
□□□□	WS <i>Investigating Transformations using ICT – Lorraine Burgess</i>	ITA	08:30–10:35
□□□□	LP <i>Teacher's selection of contexts in mathematics learning support materials for teaching the concept variable – Moshe Phoshoko</i>	11	08:30–09:30
□□□□	LP <i>Learners' experiences of Mathematical Literacy in grade 10</i> Hamsa Venkat & Mellony Graven	11	09:35–10:35
□□□□	WS <i>Classifying the mathematical demand of examinations questions</i> Stephen Sproule	17	08:30–10:35
□□□□	WS <i>Some ideas for teaching ratios in a Mathematical Literacy classroom – Marc North</i>	6	08:30–10:35
□□□□	MM <i>N & A: Games to develop mathematical thinking</i>	4	08:30–09:30
□□□□	MM <i>Nasou Via Afrika: Marketing NVA Textbooks</i>	4	09:35–10:35
□□□□	MM <i>Creative Learning Systems: High School Creative Learning</i>	26	08:30–09:30
□□□□	MM <i>Oxford: Blitz Maths</i>	26	09:35–10:35

10:35 – 11:05: Tea

Service points

Session 11 (Panel Discussion 1): 11:05 – 13:10

Living in the world of numbers – being mathematically literate

Aarnout Brombacher (Coordinator and Chair), Hamsa Venkat, Dipuo Sekoboto & Alwyn Olivier

13:10: Boxed lunch and Excursions

19:30 – 21:00: Interactive Drums Evening

Marquee tent

THURSDAY, 5 JULY

Session 12 (Parallel session 6): 08:30 – 10:35

□□□□	Key	<i>'Tata Ma Chance' – when Mathematics becomes no more than a lottery</i> – Aarnout Brombacher	H	08:30–09:30
□□□□	Key	<i>Didactical inversion is anti-didactical!</i> – Alwyn Olivier	H	09:35–10:35
□□□□	WS	<i>Advanced Sketchpad techniques</i> – Sue Southwood	ITA	08:30–10:35
□□□□	WS	<i>Financial mathematics</i> – Jimmy Thosago & Michele Demetriou	24	08:30–10:35
□□□□	SP	<i>Teaching Mathematical Literacy: A spectrum of agendas</i> Mellony Graven & Hamsa Venkat	5	08:30–09:00
□□□□	SP	<i>Preparing learners for a Mathematical Literacy Olympiad</i> V. G. Govender	5	09:00–09:30
□□□□	WS	<i>Assessing Mathematical Literacy in grade 11</i> – Jackie Scheiber	5	09:35–10:35
□□□□	WS	<i>Functions: Setting tasks to develop proof reasoning</i> Baharathi Parshotam & Erna Lampen	6	08:30–10:35
□□□□	SP	<i>Reflecting on the base line test</i> – Anthea Roberts & Yusuf Johnson	11	08:30–09:00
□□□□	HIT	<i>Creating understanding of functions</i> – Leigh Pleass	11	09:00–09:30
□□□□	LP	<i>Challenge to students' perceptions of lines relative positions in spatial geometry</i> – Paulo Diniz	11	09:35–10:35
□□□□	MM	<i>Oxford: Successful Maths Literacy and Maths Plus Grades 12</i>	4	08:30–09:30
□□□□	MM	<i>Dynamic Mathematics Learning: Dynamic Maths with Sketchpad</i>	4	09:35–10:35
□□□□	MM	<i>Creative Learning Systems: Primary School Creative Learning</i>	26	08:30–09:30
□□□□	MM	<i>SMILE: How young children learn using manipulatives</i>	26	09:35–10:35

10:35 – 11:05: Tea

Session 13 (Panel Discussion 2): 11:05 – 13:10

Large-scale assessments in Mathematics Education

Neil Eddy (Chair), Anil Kanjee, Caroline Long, Michael Kahn & Renuka Vithal

13:10 – 14:10: Lunch

Session 14 (Parallel session 7): 14:10 – 16:15

□□□□	AC	<i>Drums, body percussion and rhythm; music makes maths fun</i> Neil Jourdan & Bonny Phillips	AC	14:10–16:15
□□□□	AC	<i>Stats SA learner soccer program</i> – Johnny Masegela	Field	14:10–16:15
□□□□	Key	<i>Working for equity by engaging every learner</i> – Cathy Seeley	H	14:10–15:10
□□□□	HIT	<i>How I teach relative frequency</i> – Gary Hendricks	14	14:10–14:40
□□□□	HIT	<i>How I taught statistics through a research project</i> – Aaron Ragimana	14	14:40–15:10
□□□□	HIT	<i>How I teach the concept of dependent and independent events to a rural child</i> – Zwelabantu Zuma	6	14:10–14:40
□□□□	HIT	<i>How I teach logarithmic inequalities</i> – N.S. Muthige	6	14:40–15:10
□□□□	DIS	<i>Primary Mathematics Discussion Group</i> – Isaiah Shabangu	15	15:15–16:15
□□□□	DIS	<i>AMESA Curriculum Committee. Current issues: assessment</i> Aarnout Brombacher	H	15:15–16:15
□□□□	DIS	<i>Mathematics Olympiad</i> – Vishnu Naidoo	11	15:15–16:15
□□□□	DIS	<i>ESP Facilitators Group</i> – Alwyn Olivier	3	15:15–16:15
□□□□	MM	<i>Oxford: Exam Success</i>	4	14:10–15:10
□□□□	MM	<i>Macmillan: Maths Literacy for All Grade 12</i>	4	15:15–16:15
□□□□	MM	<i>Macmillan: Maths for All Grade 12</i>	26	14:10–15:10
□□□□	MM	<i>Vivlia: Teaching mathematics in the OBE context</i>	26	15:15–16:15

16:15 – 16:45: Coffee

THURSDAY, 5 JULY cont.

Session 15 (Parallel session 8): 16:45 – 17:45

□□□□	Key	<i>Insights into the implementation of Mathematical Literacy</i> Hamsa Venkat & Mellony Graven	H	16:45–17:45
□□□□	LP	<i>An investigation into the use of home language to support the learning of mathematics</i> – Mampho Langa & Mamokgethi Setati	15	16:45–17:45
□□□□	HIT	<i>How the games driven lessons teach mathematical concepts and a love for the subject</i> – Cecilia Rooke	14	16:45–17:45
□□□□	WS	<i>Motivating primary school learners using AMESA KZN Maths Challenges for grades 4 to 7</i> – Tyger Yegambaram	5	16:45–17:45
□□□□	HIT	<i>How I teach games of chance</i> – Kerry Leigh Vollmer	21	16:45–17:15
□□□□	HIT	<i>How I teach mean, mode and median</i> – Jeffrey Magidi	21	17:15–17:45
□□□□	WS	<i>Games for the statistics classroom</i> – Bridget Cameron	24	16:45–17:45
□□□□	HIT	<i>How I teach Venn diagrams to learners</i> – Yvonne van der Walt	6	16:45–17:15
□□□□	HIT	<i>How I teach the interaction between contingency tables and tree diagrams</i> – Nina Scheepers	6	17:15–17:45

19:00: Cultural Dinner and Dance
Ingwenyama Lodge

FRIDAY, 6 JULY

Session 16 (Parallel session 9): 08:30 – 10:35

□□□□	Key	<i>Statistical Education in South Africa: The ISIBalo Capacity Building Programme</i> – Miranda Mafafo	H	08:30–09:30
□□□□	Key	<i>The Midmar mile, mixing concrete and other anomalies in my Maths Literacy classroom</i> – Marc North	H	09:35–10:35
□□□□	WS	<i>Developing number concepts</i> – Sandra van Niekerk	21	08:30–10:35
□□□□	WS	<i>Using growing shapes to teach algebra at the Senior Phase</i> Sarah Bansilal	5	08:30–10:35
□□□□	WS	<i>Hands on enquiry on teaching of tetrahedron</i> – Siyepu Sibawu	24	08:30–10:35
□□□□	LP	<i>“Trying to describe the air” as a metaphor in conceptualising the mathematics-for-teaching</i> – Mike Mholo	15	08:30–09:30
□□□□	LP	<i>Learning mathematics through integration with contexts that draw on learners’ everyday experiences</i> – Frans Machaba	15	09:35–10:35
□□□□	WS	<i>Asking spatial questions: Developing proof reasoning through construction</i> – Erna Lampen & Bharathi Parshotam	6	08:30–10:35
□□□□	MM	Macmillan: <i>Mathematics Literacy: From skills to applications</i>	4	08:30–09:30
□□□□	MM	MOBI Mathematics: <i>MOBI™ MATH.and technology</i>	26	08:30–09:30
□□□□	MM	Macmillan: <i>Bilingual Maths Dictionaries in the Classroom</i>	26	09:35–10:35

10:35 – 11:05: Tea

Session 17 (Plenary 4): 11:05 – 12:05

Challenges in implementing the new mathematics curriculum

Marcia Moremedi, CASIO guest speaker

Hall



12:10 – 13:10: Closing Ceremony

Hall

13:10 – 14:10: Lunch

PROGRAMME TEMPLATE

You can write here the details of your programme choices

Time	Monday	Tuesday	Wednesday	Thursday	Friday
08:30	Registration	Parallel session 2	Parallel session 5	Parallel session 6	Parallel session 9
09:30					
09:35	Tea				
10:35	Opening Ceremony	Tea	Tea	Tea	Tea
11:05					
11:05		Plenary: De Villiers	Panel Discussion: Mathematical Literacy	Panel Discussion: Large-scale Assessments	Plenary: Moremedi
12:05					
12:10	Plenary: Seeley	Parallel session 3			Closing Ceremony
13:10					
13:10	Lunch	Lunch	Packed lunch	Lunch	Lunch
14:10			Excursions	Parallel session 7	
14:10	Parallel session 1	Plenary: Sethole			
15:10					
15:15		AGM		Interest Groups	
16:15				Coffee	
16:15	Coffee	Coffee			
16:45		Parallel session 4		Parallel session 8	
16:45	Regional meetings				
17:45					
19:00	Welcoming Dinner	Happy Hour	Interactive Drums	Dinner and Dance	