























Time	EVENTS											
Monday, 03 July 2006												
08:00 – 10:00	Registration Tea and Coffee Administration Block											
10:00 – 11:00	Opening Ceremony Opening Address by the Honourable MEC for Education in Limpopo Province Dr Aaron Motswaledi											
TIRO HALL												
11:00 – 12:00	Plenary Address: Dr Herbert Khuzwayo Ending occupation of our minds: a necessary tool to embrace Ubuntuism in the teaching and learning of mathematics											
R40												
12:00 – 12:30	FET&TE	FET		SP & FET	FET & TEd	GET	FP&IP					
	From concurrency to Olympics	The role of Tablet PC-based system in the teaching of mathematics		Mathematics Ubuntu: the need for an online community of practice for mathematics literacy teachers	Indirect reasoning – proof by contradiction	Mathematics and Assessment	Mental Maths					
12:30 – 13:00		Hennie Boshoff										
		SP	K18									
		FET										
		Bridging the gap through productive disposition										
	Sue Southwood	Jonathan Peter Chambers		Maggy Verster	Rajen Govender	Dreyer Lotter	Liezel Blom					
	LP	K17	SP	K18	WS	K19	WS	GP1	WS	K20	WS	K21
13:00 – 14:00	<div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>THE PALABORA FOUNDATION</p> <h2>Lunch</h2> <p>THE PALABORA FOUNDATION</p> </div>  </div>											
New Cinema Hall												



	FP		FP&IP		IP	FET		G	SP&FET			
14:00 – 15:00	Problem Solving		Patterns: A practical Approach		The National Protocol to Assessment	Tasks and teaching for mathematical literacy		Solving equations with Excel		Using real life applications to examine functional relationships		
<i>Isaiah Shabangu</i>					<i>Lyn Pollock</i>							
WS					K21					WS	GP1	
15:00 – 16:00	<i>Vishnu Naidoo</i>		<i>Zonia Jooste & Dianne Hendricks</i>		IP&SP	<i>Mellony Graven & Hamsa Venkatakrsishnan</i>		<i>Alwyn Olivier</i>		SP		
Mancala and Morabaraba					A wander along a straight line and back							
<i>Zachariah Ndaba</i>					<i>Neil Eddy</i>							
	WS	K17	WS	K18	WS	K21	WS	K19	WS	K20	WS	GP1
16:00 – 16:30	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <i>The Educator's Choice</i> </div> <div style="text-align: center;"> Tea/Coffee </div> <div style="text-align: center;">  <i>The Educator's Choice</i> </div> </div>											
16:30 – 17:00	FET		GET & TED			G		G				
	Challenges of preparing teachers for Mathematical Literacy		An examination of the motivations and expectations or pre-service primary school teachers specialising in mathematics in two primary teachers' colleges in Zimbabwe			The everyday or relevant context: A slippery multifaceted notion		Discussions with plenary speaker				
	<i>Sarah Bansilal & Alfred Mvunyela Msomi</i>		<i>Chabhongora, B; Chauraya M. & Mhlolo, M</i>			<i>Godfrey Sethole</i>		<i>Herbert Khuzwayo</i>				
	SP		SP			SP		G				
	K17		K18			K19		K20				
17:00 – 18:00	E. Cape	F. State	Gauteng	KZN		Mpumalanga	N.Cape		Limpopo	NWS	W. Cape	
	K17	K18	K19	K20		K21	K22		KB	KA	K23	

Time	EVENTS					
Tuesday, 04 July 2006						
	GET & FET	FET	IP	FP	G	
08:30 – 09:30	Geometry in motion: Transformation geometry	Mathematical Literacy Lesson	Roll out of maths year plan – Intermediate Phase (inclusive of work schedules that cover entire content of the Intermediate Phase Assessment Standards)	Diversity in Assessment	Online Maths Ubuntu	
				<i>Daisy Reddy</i>		
				LP K19		
				FET		
09:30 – 10:30	<i>Ronel Paulsen</i>	<i>Aarnout Brombacher</i>	<i>Nina Steenkamp</i>	From algebraic linear equations to geometrical theorems, exponents and parabolic curves	<i>Maggie Verster</i>	
				<i>MA Magabe</i>		
	WS R40	WS K17	WS K18	WS K19		
10:30 – 11:00	 MACMILLAN Tea/Coffee  MACMILLAN					
11:00 – 12:00	Plenary Address: <i>Dr Paul Foerster</i> Functions as mathematical models <div style="text-align: center;">R40</div>					
12:00 – 12:30	FET&SP	FET	FET	SP, FET & Ted	G	
	Impact of problem solving in the curriculum	Attaining some of the assessment standards of learning outcome 2 by means of graphic calculators	If Euclid fails	Teachers' perceptions of the challenges they face when teaching transformation geometry at "O Level": A case study of schools in Gweru district - Zimbabwe	Discussions with plenary speaker	
	<i>Vishnu Naidoo</i>	<i>Vincent Oliphant</i>	<i>Neil Eddy</i>	<i>Shadrack Mukono & Lovemore J. Myaumwe</i>	<i>Paul Foerster</i>	
SP K17	SP K18	SP K19	SP K20	D	K21	
12:30 – 13:30	  <div style="text-align: center;"> Lunch <small>THE PALABORA FOUNDATION</small> </div>					

13:30 – 15:00	<p>AGM</p> <ol style="list-style-type: none"> 1. Welcome 2. Apologies 3. Finalising of the Agenda 4. Minutes of the previous 5. Presidential report and report on the activities of the National Council 6. Financial report and budget 7. Motions <ol style="list-style-type: none"> 7.1. That the annual subscription for institutional membership of AMESA be raised from R260 to R280 from 1 January 2007. 7.2. That the annual subscription for individual membership of AMESA be raised from R90 to R100 from 1 January 2007. Proposed: Neil Eddy and Mamokgethi Setati 8. Elections <table border="0" style="width: 100%; margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">Office</th> <th style="text-align: left;">Nominee</th> <th style="text-align: left;">Proposed</th> </tr> </thead> <tbody> <tr> <td>President</td> <td>Ray Duba</td> <td>Limpopo Region</td> </tr> <tr> <td>President</td> <td>Vishnu Naidoo</td> <td>KwaZulu-Natal Region</td> </tr> <tr> <td>Vice-President</td> <td>Alwyn Olivier</td> <td>National Council</td> </tr> <tr> <td>Secretary</td> <td>Mokgoko Sebela</td> <td>Limpopo Region</td> </tr> </tbody> </table> 9. Other 10. Closure <p style="text-align: center;">R40</p>					Office	Nominee	Proposed	President	Ray Duba	Limpopo Region	President	Vishnu Naidoo	KwaZulu-Natal Region	Vice-President	Alwyn Olivier	National Council	Secretary	Mokgoko Sebela	Limpopo Region
Office	Nominee	Proposed																		
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Vice-President	Alwyn Olivier	National Council																		
Secretary	Mokgoko Sebela	Limpopo Region																		
15:00 – 15:30	  																			
15:30 – 16:30	<p>FP</p> <p>Singapore Maths Programmes</p> <p style="text-align: right;"><i>Jack Garb</i></p> <p>WS 17</p>	<p>FET&TE</p> <p>Moving pictures: a different look at circle geometry</p> <p style="text-align: right;"><i>Lyn Pollock</i></p> <p>WS P1</p>	<p>SP,FET&TE</p> <p>How realistic are the solutions of real world problems?</p> <p style="text-align: right;"><i>Indira Chacko</i></p> <p>LP K18</p>	<p>FET&TE</p> <p>A pygmy in the footsteps of mathematical giants (Generalisation of the nine point and Spieker circles, as well as Euler and Nagel lines)</p> <p style="text-align: right;"><i>Michael de Villiers</i></p> <p>LP K19</p>	<p>G</p> <p>Mathematical analysis and interpretations of traditional activities for use in mathematics classrooms</p> <p style="text-align: right;"><i>Mogege Mosemege</i></p> <p>LP K21</p>															
16:30 – 17:30	<p>Mathematics Olympiad interest group Co-ordinator: Vishnu Naidoo</p> <p>K 17</p>	<p>AMESA Curriculum Committee (Focus on FET) Co-ordinator: Aarnout Brombacher</p> <p>K18</p>		<p>Ethnomathematics interest group Co-ordinator: Herbert Khuzwayo</p> <p>K20</p>	<p>Primary Mathematics Discussion Group Co-ordinator:</p> <p>K21</p>															
19:00 – 22:00	    																			

Time	EVENTS												
Wednesday, 05 July 2006													
08:30 – 10:30	FET		SP,FET&TE		SP&FET		G	FP		FET		IP&SP	
	Probability		Teaching and learning about exponential growth		Around the world with Pythagoras' Theorem <i>Greg Fried</i>		If you can say it then you can do it	Roll out of Maths year plan – Foundation Phase		Transformation of the exponential function		Conceptions and misconceptions in measurement	
					WS K20								
	<i>D Reddy</i>		<i>Craig Pournara, Nontsikelelo Luxomo, Takalani Siala & Dumisani Tshabalala</i>		IP The National Protocol for Assessment (NPA): Intermediate Phase <i>Isaiah R Shabangu</i>		<i>Paul Foerster</i>	<i>Nina Steenkamp</i>		<i>Bharti Parshotam & Erna Lampen</i>		<i>Louise Sheinuk & Jacques du Plessis</i>	
	WS K17		WS K19		WS K20		WS K21	WS K22		WS GP1		WS K18	
10:30 – 11:00	  THE PALABORA FOUNDATION Tea/Coffee THE PALABORA FOUNDATION												
11:00 – 12:00	Plenary Address: <i>Dr Kerstin Jordaan</i> The mathematics of money <div style="background-color: #cccccc; width: 200px; margin: 0 auto; padding: 5px; text-align: center;">R40</div>												
12:00 – 13:00	FET		IP		G		GET		IP&SP		G		
	From proofs without words to proofs that explain secondary mathematics		Waste management and mathematics		Discussion with plenary speaker		Critical and creative thinking for young mathematicians		An investigation of constructs underpinning the facilitation of group work in large and overcrowded mathematics classrooms		Ten key question about mathematical modelling		
	<i>Faaiz Gierdien</i>		<i>Liezel Blom</i>		<i>Kerstin Jordaan</i>		<i>Lyn Pollock</i>		<i>Tlou Lukie Koko & Kwena Masha</i>		<i>Inna Nel</i>		
	LP K17		WS K18		D R40		WS GP1		LP K20		WS K21		
13:00 – 14:00	LUNCH <div style="background-color: #cccccc; width: 200px; margin: 0 auto; padding: 5px; text-align: center;">New Cinema Hall</div>												
	Excursions: Bakone Malapa and Meropa Casino ZCC and Meropa Casino												

Time	EVENTS										
Thursday, 06 July 2006											
08:30 – 10:30	FP & IP		G			FET&TE			FP		
	Patterns: A practical approach		The mathematics of money: The time value for money			Introducing Financial mathematics using spreadsheet			Diversity in Assessment		
	<i>Zonia Jooste & Diane Hendrickse</i>		<i>Kerstin Jordaan</i>			<i>Dumisani Tshabalala and Craig Pournara</i>			<i>Daisy Reddy</i>		
	WS	R40	WS	K18	WS	GP 1	WS	K21			
10:30 – 11:00	  The Educator's Choice Tea/Coffee The Educator's Choice										
11:00 – 12:00	Plenary Address: Mike Askew Promoting individual and societal well-being: complementary or contradictory aims in mathematics education <div style="background-color: #cccccc; width: 20%; margin: 0 auto; padding: 5px;">R40</div>										
	G		G			G			G		
12:00 – 13:00	HEINEMANN		CAMBRIDGE UNIVERSITY PRESS			MacMILLAN			NASOU VIA AFRICA		OXFORD UNIVERSITY PRESS
	<i>Yvette</i>		<i>CUP</i>			<i>Peter Ledwaba</i>			<i>Kiekie Mkhize</i>		<i>OUP</i>
	Maths Market	K17	Maths Market	K18	Maths Market	K19	Maths Market	K20	Maths Market	K21	
13:00 – 14:00	  THE PALABORA FOUNDATION Lunch THE PALABORA FOUNDATION										
14:00 – 16:00	IP&SP		SP&FET			IP & SP		G		FET	FET&TE
	Transformation geometry and symmetry		Sometimes I think and calculate and sometimes I just calculate			Mathematics and EMS		Area and Perimeter		Thath'ama-chance- Thath'ama-Probability	Defining Quadrilaterals: A sketchpad investigation

	<i>Mary Morokolo Mei & Jackie Scheiber</i>	<i>Hayley Barnes</i>	<i>Dreyer Lotter</i>	<i>Malapela NS</i>	<i>Connie Skelton</i>	<i>Michael de Villiers</i>
	WS K17	LP K19	LP K20	WS K21	WS K21	WS GP1
16:00 – 16:30	 CAMBRIDGE UNIVERSITY PRESS					
	Tea/Coffee			 CAMBRIDGE UNIVERSITY PRESS		
	FET	G		TED	G	GET
16:30 – 17:00	Investigating grade 10 learners' understanding of graphical and algebraic solutions of quad functions			Lesson study as a means to improve in-service training in mathematics		
	<i>Lulu Phatudi & Kabelo Chuene</i>			<i>Ronel Paulsen</i>		
	SP K17	SP K18		SP K19		
					Discussions with plenary speaker	Sona - Drawings on sand
	IP & SP	IP, SP & FET		SP & TED		
17:00 – 17:30	Maths 36	Who really holds the key to improved numeracy performance		An investigation into the development of the function concept at grade 8/form 1 level (in Zimbabwe) through a problem centred approach		
	<i>Vishnu Naidoo</i>	<i>Valerie Ramsingh</i>		<i>Kwari, R</i>	<i>Mike Askew</i>	<i>Myra Dunley-Owen</i>
	SP K17	SP K18		SP K19	D K20	WS K21
18:00 – 22:00	Cultural Evening Keeping the spirit of Mapungubwe alive! <div style="background-color: #cccccc; padding: 5px; display: inline-block;">Stadium</div>					

Time	EVENTS				
Friday, 07 July 2006					
	G		G		SP
08:30 – 10:30	Developing multiplicative reasoning	Using history of mathematics to deepen conceptual understanding in the learning of mathematics	South African Mathematics Foundation	Before Calculus: Variables do vary	
	<i>Mike Askew</i>	<i>Herbert Khuzwayo</i>	<i>Mathume Bopape</i>	<i>Paul Foerster</i>	
	WS R40	WS K20	WS K21	WS GP1	
10:30 – 11:00	Tea/Coffee				
11:00 – 12:00	Closing Ceremony				
	R40				
12:00 – 13:00	Lunch and Departure Till we meet in Mpumalanga!				
	NCH				