

Annual Regional Conference of AMESA Western Cape



Saturday 6 September 2014

08:00 - 15:30



Cape Teaching and Leadership Institute (CTLI) Nooiensfontein Road, Kuilsriver

How teachers use simple collections to teach basic arithmetic

Zain Davis, Yusuf Johnson, Kaashief Hassan, Katyusha Vuso

You are invited to participate in the Western Cape Regional Conference of the Association for Mathematics Education of South Africa (AMESA). This regional conference brings to you a wide range of informative papers and useful workshops.

Please note that this conference is for AMESA members only. However, if you wish to attend, but you (or your institution) are not a member, please fill in the attached membership application form, along with the conference registration form, and join us for a day of exciting activities and stimulating debate.

e-mail your registration form to gary.powell@uct.ac.za AND anita.campbell@uct.ac.za, or fax to 021 650 5569

AMESA Western Cape Regional Conference

6 September 2014 CTLI Kuilsriver



PROGRAMME

TIME	VENUE 1	VENUE 2	VENUE 3	VENUE 4	VENUE 5	VENUE 6	VENUE 7	VENUE 8
08:00 – 08:20	REGISTRATION (BROADWAY) TEA/COFFEE (CAFETERIA)							
08:20 – 08:35	WELCOME AND OPENING (CAFETERIA)							
08:40 - 09:10	How I teach measurement: Length (How I Teach) - Andrea Henderson, Christel House Primary [FP]	Mini lesson study on teaching analogue time (Short Paper) - Helene Schoeman, The Grove Primary [FP]	Using properties to "discover" and classify polygons (Workshop) - Joy Davids, Tuscany Glen Primary, Nompumezu Dlebusuku, Ummangaliso Primary &	Using clue boards and number lines for division in Grade 3 (Workshop) – Tania Halls, The Grove Primary [FP]	Challenging the typical 'chalk & talk' algebra lesson (Short Paper) – Anthea Roberts, UCT [SP]	CASIO (Maths Market) Merrick James, CASIO [SP/FET]	Reasoning and Justifications in Circle Geometry (Workshop) - Rajen Govender, UWC [FET]	Visualizing complex numbers for an intuitive understanding of complex multiplication - Ingrid Mostert and Claire Blackman, AIMSSEC [FET College]
09:15 – 09:45	How I teach number bonds (How I Teach) – Melissa Mentoor, Capricorn Primary [FP]		Gary Powell, UCT [IP/SP]					
09:50 – 10:10				TEA (CAI	FETERIA)			
10:10 – 11:30	AGM and Plenary: How teachers use simple collections to teach basic arithmetic Zain Davis, Yusuf Johnson, Kaashief Hassan, Katyusha Vuso (all UCT)							
11:35 – 12:05	How I teach grouping (How I Teach) - Tracey-Lee Bester, Capricorn Primary [FP]	Language for adding and subtracting in Foundation Phase (Workshop) - Vicky McDonald, Capricorn Primary [FP]	Constructions and symmetries (Workshop) - Sharon McAuliffe, CPUT and Gary Powell, UCT [IP/SP]	Deriving area and volume formulae for basic shapes and objects (Workshop) - Stanley Adendorff, CPUT [IP/SP]	So what if we what if not? (A workshop looking at principles of using investigations for teaching and learning, rather than for	SHARP (Maths Market) – Tal Moore, SHARP [SP/FET]	Q&A Session: How teachers use simple collections to teach basic arithmetic - Zain Davis, Yusuf Johnson, Kaashief Hassan, Katyusha Vuso	Engaging with Nokia Mobile Mathematics – a CAPS-compliant, online FET Maths service with no subscription fee (Workshop - teachers will
12:10 – 12:40	How I teach halving and doubling to Grade 1s and 2s (How I Teach) - Carern Kieffer-Walker [FP]				assessment.) - Neil Eddy, Wynberg Boys' High [SP/FET]		Measurement: How I teach time in 12-hour format on an analogue clock (How I Teach) – Harlend Felix Pelican Park Prim, & Chrichana Felix, St Augustines Primary [IP]	need an internet-enabled cell phone to be able to access the service) - Garth Spencer-Smith, Ukufunda [FET]
12:45 – 13:25				LUNCH (CA	AFETERIA)			
13:30 – 14:00	Making resources for Measurement (Workshop) – Ursula Röntsch, The Grove Primary [FP]	Shape and space in Foundation Phase (Workshop) – Nicky Roberts, Wits University [FP]	Teaching fractions in Foundation Phase (Workshop) - Sue Fourie, The Grove Primary [FP]	Teaching strategies for mental mathematics (Workshop) – Connie Skelton, Data Mind [IP]	A formative assessment lesson: matching graphs, stories and tables (Workshop) - Marie Joubert & Ingrid	How I teach Number Patterns (How I Teach) - Lloyd Stuurman, Strandfontein Senior Secondary [SP]	Planning for Learning (Workshop) - Sinobia Kenny & Lindiwe Tshuma, AIMSSEC [SP]	Geometrical concepts in real life context: A case of South African traffic road signs (Short Paper) – Sibawu Siyepu, CPUT
14:05 – 14:35	participants: 30				Mosterr, AIMSSEC [SP/FET] Max number of participants: 30	How I teach congruency (How I Teach) - Adrian Lotter, Kannemeyer Primary [SP] West Coast Branch		[SP/FE1]
1:40 – 15:10						Meeting		Branch Meeting
15:15				PRIZE-GIVING AN	ND CLOSURE (H3)			



ANNUAL GENERAL MEETING

6 SEPTEMBER 2014

AGENDA

- 1. Welcome by Chairperson
- 2. Plenary Presentation:

"How teachers use simple collections to teach basic arithmetic" by Zain Davis, Yusuf Johnson, Kaashief Hassan, Katyusha Vuso (all UCT)

- 3. Apologies
- 4. Minutes of last Annual General Meeting
- 5. Matters arising
- 6. Chairperson's Report
- 7. Treasurer's Report
- 8. Any other business

AMESA WESTERN CAPE 2014 ANNUAL CONFERENCE REGISTRATION



Title: First		rst name:	name:			Surname:			
Postal Address:									
Institution:	Institution: Email Address:								
Area of Foundation Interest (tick block)		n Intermediate Phase	Intermediate Senior FET 7 Phase Phase Phase 8		Teach & High Educa	er ner tion			
Tel Home:			el Work:				Fax:	Cell:	
Are you a cu	Are you a current paid-up AMESA member? <i>(please tick)</i> Yes No								
lf <u>Yes</u> , pleas	If Yes, please provide membership number: If renewing, please apply directly to AMESA National, as per instructions on attached application/renewal form.						ational, as per /renewal form.		
If <u>No</u> , please complete and bring application form, and add membership fee to conference fee to be paid on 6 September 2014 (see \otimes "Non-AMESA Member block below). Please note no Internet payments in this option.									
CONFEF		REGISTRATIO	ON FEE	ТО ВЕ	PAID	ON	I MORNING OF		RENCE
AMESA Member Registration for this Conference (only payable on 6 September					er 2014)	R50			
Non-membe students	r full time	R30 confere	R30 conference registration, and R30 AMESA associate membership R60 (all payable on 6 September 2014)						
Non-AMESA	Member	 Registration [Cheques to 	Registration including new membership fee up to 31 December 2015 <i>Cheques to be made payable to AMESA Western Capel</i>						R170
		DIETAF		UIREM	ENTS) (ple	ease tick):		
Vegetarian			Halaa	1			Other		
PLEASE NOTE:									
1. THIS CONFERENCE REGISTRATION FORM SHOULD BE SUBMITTED <u>BEFORE 10:00</u> ON 4 SEPTEMBER 2014 (see below for fax/email/post details).									
2. THE CONFERENCE REGISTRATION FORM IS NOT AN APPLICATION FOR AMESA									
MEMBERSHIP OR RENEWAL.									
CONFERENCE REGISTRATION DESK ON 6 SEPTEMBER 2014.									
4. WE REGRET NO INTERNET PAYMENTS FOR THE CONFERENCE.									
Your Conference Registration Form should be sent to AMESA Western Cape using one of the following methods: By fax to: 021 650 5569 (MARKED FOR THE ATTENTION OF GARY POWELL) By email to: gary.powell@uct.ac.za AND anita.campbell@uct.ac.za By post to: Gary Powell Schools Development Unit 4th Floor Humanities Graduate School Building University Avenue- South Entrance Upper Campus Rondebosch 7701									



AMESA MEMBERSHIP APPLICATION / RENEWAL FORM

Please complete in full and in capital letters

1.	Membership No (if renewal):								
2.	Region (province):		Branch:	(if known)					
3.	Membership type: Individ	lual 🛛 Institutional	Associate (full-ti	me pre-service student)					
4.	Field of Interest:	y 🛛 Secondary	□ Tertiary						
5.	For Individual and Associate members only:								
	Surname:	ne:	Title:						
	Postal address:								
				Postal Code:					
	Tel/cell no:	Fax:	E-mail:						
	Name of your Institution:								
6.	For Associate (student) members only: I hereby declare that I am a full-time, pre-service student at the								
	following institution:		Signature	:					
	Please include proof of registration at tertiary institution with your application.								
' .	For Institutional members only	For Institutional members only:							
	Designation of person to whom correspondence should be addressed								
	(e.g. The HOD Mathematics / Librarian):								
	Name of Institution:								
	Postal address:								
				Postal Code:					
	Tel/cell no:	 Fax:	E-mail:						
8.	Payment: South Africa: Individu Other African countri You may pre-pay your	ual – R120; Institutional es, individual: – ZAR150 subscription at the curren	l – R340; Associate – R3 ; Non-African countries. nt rate for up to three year	80; Life membership: – R3000 – USD65 rs.					
	Choose one of the following me	ethods of payment (ind	icate with an X):						
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	Please renew my member This authorisation will re	rship <i>automatically</i> each emain valid until I or A	year by debiting my cro MESA cancel it in wri	edit card each year. ting.					
	Bank transfer . Bank detail Bank: ABSA Branch Code: 632 005	ls are as follows: Account Nam Account No:	e: AMESA 1640 146601	Account type: Current					
	Note: Please enter your name/ you fax or e-mail a copy of the membership is recorded. <i>The o</i>	membership number in the transfer slip and this approach the transfer slip and the transfer the transfer the transfer the transfer to the tran	ne <i>reference section</i> of the plication form to the num hat we receive the relevant	e deposit slip. It is <i>essential</i> that ber below to ensure that your <i>nt information</i> .					