

You are hereby invited to attend the **Western Cape Regional Conference** of the Association for Mathematics Education of South Africa (AMESA), which will be held on

Saturday, 15 September 2012

Theme: Learning and Doing Mathematics

Venue: Cape Teaching and Leadership Institute (CTLI), Nooiensfontein Road, Kuils River

Time: 08h00 – 17h00

SPEAKERS & PANELISTS

Plenary speaker
Marlene Sasman
Insights from NSC Examinations

Special guest speaker
Alison Kitto
Grade 11 Geometry – accessible to all

Plenary speaker
Mike Cameron
CAPS and Assessment

Plus more than 20 teachers, teacher educators, curriculum specialists and researchers including:

Carl Fourie <i>Probability and Counting Principles</i>	Cyril Julie <i>Spiral approach to questioning in Maths</i>	Mdu Ndlovu <i>Geometrical definitions</i>	Stanley Adendorff <i>Tesselations</i>
Vicky Tucker & Nicky Roberts <i>Using a number line</i>	Cerenus Pfeifer <i>Geogebra</i>	Alwyn Olivier & Faaiz Gierdien <i>ESP workshops</i>	Raffie van Wyk <i>Fractions & Time</i>
John Webb <i>International Maths Olympiad</i>	Andrew Lewis <i>Investigations</i>	Monde Mbekwa <i>Zome Geometry</i>	Cosmas Tambara <i>Position, Orientation and views</i>
Raffie van Wyk <i>Using concrete teaching aids</i>	Sibawu Siyepu <i>The Maths in a rondawel</i>	Ramesh Jeram <i>Interpreting graphs</i>	Liana Karsten & Heather Mills <i>Doubling and halving</i>
Bridget Cameron <i>Maths in the world around us</i>	JP Le Roux <i>Rethinking how we teach grades 8 and 9</i>	Helena Schoeman and Nicky Roberts <i>Involving parents</i>	Demelza Vianello <i>Division concepts</i>

To register, complete the attached registration form and send with proof of payment to:

The Conference Secretary
Lesley Jennings
8 Ridgeway
Pinelands
7405

Tel: 021 531 6238
Cell: 072 444 3910
Fax: 086 248 3357
Email: lesleyjennings@telkomsa.net

Be sure to attend this vibrant mathematics conference, where the latest topical issues of the moment will be presented and discussed!

See map/directions attached.

AMESA WESTERN CAPE REGIONAL CONFERENCE PROGRAMME ON SATURDAY 15 SEPTEMBER 2012

VENUE: Cape Teaching and Leadership Institute (CTLI), Nooiensfontein Road, Kuils River

MC: Anita Campbell (AMESA Western Cape Council Member)

07:30-8:30	Registration : Foyer of CTLI					
08.30-8:40	Opening and Welcome: Gary Powell (President of AMESA Western Cape)					
08:40-8:45	Announcements & Program: Rajendran Govender (Academic Coordinator & Conference Director)					
08:45-09:40	Plenary Address: Marlene Sasman Insights from NSC Mathematics Examinations					Venue: Auditorium: H3 Chair: Anne Eadie
09:40-10:00	Presentation on International Mathematics Olympiad (IMO) by Prof. John Webb					Chair: Alwyn Olivier
10:00-11:00	FET Venue: H3	SP Venue: H2	SP & IP Venue: Room A3	IP & FP Venue: Room A4	(FP) Venue: Room A6	ESP Workshop Venue: Room A7
	Long Paper Grade 11 Circle Geometry- accessible to all Alison Kitto Chair: Anne Eadie	How I Teach Mathematical Investigations as class activities and as formal assessment tasks Andrew Lewis Chair: Kaasheif Hassan	Workshop The art of tessellating shapes Stanley Adendorff Chair: Sibawu Siyepu	Workshop Using concrete teaching aids to teach fractions and to incorporate measurement Raffie van Wyk Chair: Cosmas Tambara	How I Teach Using a number line for recording and communicating subtraction calculation strategies Vickey Tucker & Nicky Roberts How I Teach Teaching doubling and halving in the early years Liane Karsten; Heather Mills; & Nicky Roberts Chair: Helena Schoeman	Workshop Now add technology! Excel Activities: transformation of functions and probability Alwyn Olivier & Faaiz Gierdien Chair: Alwyn Olivier
11:00-11:25	TEA					



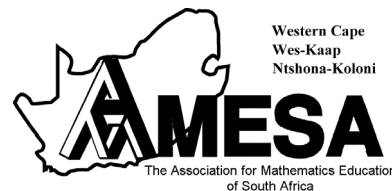
11:25-12:25	FET Venue: Room: A1	FET & SP Venue: Room A2	SP& IP Venue: Computer Room	SP & IP Venue: Room A3	FP Venue: Room A5	FP Venue: A6	ESP Venue: A7
	Workshop Developing “deepening thinking-like’ questions for mathematics teaching Cyril Julie <i>Chair: Monde Mebkwa</i>	Long Paper: Probability and Counting Principles Carl Fourie <i>Chair: Anne Eadie</i>	Workshop Using <i>Geogebra</i> (for Transformation Geometry) Cerenus Pfeiffer <i>Chair: Mdu Ndlovu</i>	Workshop: Interpreting Graphs Ramesh Jeram <i>Chair: Stanley Adendorff</i>	Workshop Position and Orientation and views Cosmas Tambara <i>Chair: Gabeba Agherdien</i>	Short Paper: Involving parents in early mathematics learning Helena Schoeman & Nicky Roberts <i>Chair: Demelza Vinello</i>	Workshop (ESP) Excel Activities: transformation of functions and probability Alwyn Olivier & Faaiz Gierdien <i>Chair: Alwyn Olivier</i>
12:30:1300	MATHS Market: CASIO			Venue: Room: A2	MATHS Market: Sharp		Venue: Room: A4
13:00 -13:45	Lunch Break						
13:45-14:15	AGM OF AMESA WESTERN CAPE & PRESENTATION OF ESP CERTIFICATES				VENUE: H3	<i>Chair: Rajendran Govender</i>	
14:15-15:15	FET Venue: Room: A1	FET& SP Venue: Room: A2	FET& SP Venue: Room: A3	SP Venue: Room: A4	IP Venue: Room: A5	FP Venue: Room: A6	ESP Venue: Room: A7
	Long Paper: Mathematical possibilities in the building of a rondawel Sibawu Siyepu <i>Chair: Ramesh Jeram</i>	Workshop Mathematics in the world around us Bridget Cameron <i>Chair: JP Le Roux</i>	Workshop <i>Zome</i> Geometry Monde Mbekwa <i>Chair: Cerenus Pfeiffer</i>	How I Teach Interested teachers are interesting teachers Andrew Lewis <i>Chair: Alleta Loopuyt</i>	Workshop Tracking the basic operations in Solutions for All Mathematics across the Intermediate Phase Kaashief Hassan <i>Chair: Raffie van Wyk</i>	Workshop ‘I know my maths’: Number concepts; basic operations, mental maths, pace value Gabeba Agherdien & Gairooniesa Isaacs <i>Chair: Cosmas Tambara</i>	Workshop (ESP) Excel Activities: transformation of functions and probability Alwyn Olivier & Faaiz Gierdien <i>Chair: Alwyn Olivier</i>



15:20-15:50	FET Venue: Room: A1 Short Paper: An analysis of pre-service teacher's understanding of geometrical definitions and class inclusion using the van Hiele model Mdu Ndlovu <i>Chair: Bridget Cameron</i>	FET: MATHS Literacy Venue: Room: A2 Short Paper Mathematical Literacy: Errors and Misconceptions in Grade 12 NSC exams Marius Simon <i>Chair: Cyril Julie</i>	SP Venue: Room: A3 Short Presentation: Rethinking how we teach grade 8 & 9 mathematics: a differentiated learning and multi-age approach to teaching mathematics JP Le Roux <i>Chair: Andrew Lewis</i>	IP&FP Venue: Room: A4 Short Paper: Early division concepts: the importance of the sharing and grouping models, and use of the empty number line Demelza Vinello & Nicky Roberts <i>Chair: Gaorooniesa Isaacs</i>	ESP Venue: Room: A6 Workshop (ESP) Excel Activities: transformation of functions and probability Alwyn Olivier & Faaiz Gierdien <i>Chair: Alwyn Olivier</i>
15:50-16:05	TEA BREAK				
16:05-17:00	Plenary Address : Assessment – FET & GET Mike Cameron <i>Chair: Andre Lamprecht</i>				Venue: Auditorium: H3
17:00 -17:15	Closing Remarks & Vote of Thanks : Anita Campbell Venue: Auditorium: H3				

KEY:: FET: Further Education & Training Phase; **SP: Senior Phase**; IP: Intermediate Phase; **FP: Foundation Phase**

**AMESA WESTERN CAPE
2012 ANNUAL CONFERENCE REGISTRATION FORM**



CONTACT DETAILS						
Title:		First name:			Surname:	
Postal Address:						
Code:						
Institution:				Email Address:		
Area of Interest (Tick Block)	Foundation Phase	Intermediate Phase	Senior Phase	FET Phase	Teacher & Higher Education	
Home:			Work:		Fax:	Cell:
Are you a current paid-up AMESA member? (<i>please tick</i>) Yes <input type="checkbox"/> No <input type="checkbox"/>						
If Yes, please provide membership number:						
If No, please complete membership form and pay membership fees (* <i>see below</i>)						
REGISTRATION FEE						
AMESA Member		Registration (by 5 September 2012)			R50	
AMESA Member		Late Registration (6 September to 15 September 2012)			R60	
Non-AMESA Member		Registration including Membership Fee up to 31 December 2013			R150	
DIETARY REQUIREMENTS (<i>please tick</i>)						
Vegetarian		Halaal		Kosher		Diabetic
PAYMENT METHOD (<i>please tick</i>)						
<input type="checkbox"/> Internet Payment of Bank Transfer Banking details of AMESA WC Conference 2012: <i>Account Name:</i> AMESA Western Cape <i>Name of Bank:</i> Nedbank <i>Account Number:</i> 1048025233 <i>Type of Account:</i> Cheque <i>Branch Name:</i> Rondebosch <i>Branch Code:</i> 104809 <i>Reference:</i> Initial Surname AMESA WC 2012				<input type="checkbox"/> Cheque made out to AMESA Western Cape		

Please complete your Conference Registration Form and, where appropriate, your Membership Application/Renewal Form, and send them to the AMESA Western Cape Secretary with proof of payment, using one of the following methods:

By fax to: 086-248-3357
 By email to: lesleyjennings@telkomsa.net
 By post to: The AMESA Western Cape Secretary
 Lesley Jennings
 8 Ridgeway
 Pinelands
 7405

NOTE: Your Conference registration is not complete until we receive your full payment

* Individual membership R120 / Institutional membership R340 / Student (Associate) membership R30



Notice is hereby given that the Annual General Meeting of AMESA (Western Cape) will be held at Cape Teaching and Leadership Institute, Nooiensfontein Road, Kuils River, on Saturday 15 September 2012.

AGENDA

1. Minutes of last Annual General Meeting
2. Matters arising
3. President's Report
4. Treasurer's Report
5. Any other business

Extract from AMESA (Western Cape) Regional Rules

REGIONAL AGM

10. The regional governing body of AMESA (Western Cape) shall be the Regional AGM, consisting of Regional Office Bearers and representatives appointed by each branch of the region. Each branch shall be entitled to one representative for each 100 (or part thereof) members in good standing in the branch.
11. The regional AGM shall normally meet one month before the annual national congress of AMESA and shall be convened by the Regional council, who shall determine the place and date(s) of the Regional AGM.
12. Notice of a meeting of the Regional AGM shall be given in writing; the notice shall include the agenda of the AGM.
13. The Regional AGM shall adopt policies in furtherance of the aims and objects of AMESA (Western Cape).
14. A quorum of the Regional AGM shall consist of $n/2 + 1$ members if n is even, $(n+1)/2$ members if n is odd, when n is the number of persons eligible to attend (see paragraph 10). In the event that there is no quorum the meeting shall stand adjourned until a further advertised date.
15. Non-delegates may attend the AGM as observers and shall not be permitted to vote.

Procedures for nomination

16. Nominations for Office Bearers may be submitted by any two members or a branch of AMESA (Western Cape). Such nominations must reach the Regional Secretary not less than one calendar month before the next Regional AGM.
17. All nominations shall be made in writing and must contain the names of the proposers and the consent of the person nominated. Nominations by a branch must be signed by at least four members of the branch.

18. The Regional Council shall make nominations in respect of every vacancy in which no other nomination has been received and may make nominations in addition to those received.
19. The names of all persons nominated for election at the Regional AGM shall be included in the agenda of the AGM.

Procedures for motions and decision making

20. Any motion on which the delegates at the AGM must vote, must reach the Regional Secretary not less than one calendar month before the date of the Regional AGM and must be included in the agenda for the AGM.
21. Any motion that does not comply with paragraph 20 may be put to the Regional AGM, but may only be put to the vote if a motion to this effect is carried unanimously by the Regional AGM.
22. All members of the Regional AGM shall have the right to vote at meetings of the Regional AGM and each member present shall have one vote. Invited persons shall not have the right to vote.
23. Motions submitted to the Regional AGM, other than motions for election or for amending the Constitution, shall be determined by open vote, unless the chairperson or any other member demands a ballot.
24. Any motion submitted to the Regional AGM, with the exception of a motion for amending the Constitution, may be carried by a simple majority of votes. In the event of a tie, the chairperson shall have a second or casting vote.
25. Motions for election in which the number of nominations is equal to the number of vacancies, shall be declared carried unopposed. Contested elections shall be determined by the ballot.

**Directions to Western Cape College of Education**

Western Cape College of Education, Old
Nooiensfontein Road, Cape Town 7579 - 021 900
5000
27,7 km – about 26 mins

A Rondebosch, Cape Town

	1. Head north on Campground Rd toward Erin Rd	go 450 m total 450 m
	2. Continue onto Liesbeek Park Rd About 2 mins	go 1,4 km total 1,8 km
	3. Turn right onto Klipfontein Rd About 1 min	go 300 m total 2,2 km
	4. Take the 3rd left onto Raapenberg Rd About 58 secs	go 850 m total 3,0 km
	5. Merge onto Settlers Wy/N2 via the ramp to Cape Town International/Somerset About 10 mins	go 14,8 km total 17,8 km
	6. Take exit 22A toward R300/Bellville About 1 min	go 1,5 km total 19,3 km
	7. Merge onto Kuils River Rd/R300 About 3 mins	go 4,5 km total 23,8 km
	8. Take exit 21 for M12/Stellenbosch Arterial toward Blackheath	go 500 m total 24,3 km
	9. Turn right onto Stellenbosch Rd About 3 mins	go 1,4 km total 25,7 km
	10. Take the 2nd left onto New Nooiensfontein Dr About 2 mins	go 1,9 km total 27,6 km
	11. Turn right Restricted usage road	go 96 m total 27,7 km
	12. Turn right Restricted usage road	go 23 m total 27,7 km
	13. Turn right Restricted usage road Destination will be on the left	go 70 m total 27,7 km

B **Western Cape College of Education**
Western Cape College of Education, Old Nooiensfontein Road, Cape Town
7579 - 021 900 5000

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

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Directions to Western Cape College of Education

Western Cape College of Education, Old
Nooiensfontein Road, Cape Town 7579 - 021 900
5000
43,7 km – about 42 mins



- | | | |
|--|---|-----------------------------|
| | 1. Head east on Malan toward Kruis | go 500 m
total 500 m |
| | 2. Turn right onto Main St | go 900 m
total 1,4 km |
| | 3. Turn right onto Lady Grey | go 52 m
total 1,4 km |
| | 4. Take the 1st left onto Main St | go 5,4 km
total 6,9 km |
| | 5. Turn right to merge onto N1 toward Cape Town | go 27,7 km
total 34,6 km |
| | 6. Take exit 27 to merge onto Kuils River Rd/R300 toward Mitchells Plain/Cape Town International Airport | go 5,1 km
total 39,7 km |
| | 7. Take exit 25 for R102/Van Riebeeck Road toward Kuilsrivier/Bellville | go 600 m
total 40,3 km |
| | 8. Turn left onto R102 | go 1,3 km
total 41,6 km |
| | 9. Turn right onto Nooiensfontein Rd | go 1,2 km
total 42,8 km |
| | 10. Continue onto New Nooiensfontein Dr | go 650 m
total 43,5 km |
| | 11. Turn left | go 96 m
total 43,6 km |
| | Restricted usage road | |
| | 12. Turn right | go 23 m
total 43,6 km |
| | Restricted usage road | |
| | 13. Turn right | go 70 m
total 43,7 km |
| | Restricted usage road | |
| | Destination will be on the left | |



Western Cape College of Education

Western Cape College of Education, Old Nooiensfontein Road, Cape Town
7579 - 021 900 5000

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Directions to Western Cape College of Education

Western Cape College of Education, Old
Nooiensfontein Road, Cape Town 7579 - 021 900
5000
99,4 km – about 1 hour 21 mins

A Caledon

	1. Head west on Prins Alfred Wy toward De Possel St	go 22 m total 22 m
	2. Continue onto Prins Albert Wy About 2 mins	go 800 m total 800 m
	3. Continue onto Prins Alfred Wy	go 350 m total 1,2 km
	4. Turn left onto N2 About 2 mins	go 2,0 km total 3,2 km
	5. Turn left to stay on N2 About 1 hour 5 mins	go 85,8 km total 89,0 km
	6. Take exit 22 to merge onto Kuils River Rd/R300 toward Bellville About 5 mins	go 6,4 km total 95,4 km
	7. Take exit 21 for M12/Stellenbosch Arterial toward Blackheath	go 500 m total 95,9 km
	8. Turn right onto Stellenbosch Rd About 3 mins	go 1,4 km total 97,3 km
	9. Take the 2nd left onto New Nooiensfontein Dr About 2 mins	go 1,9 km total 99,2 km
	10. Turn right Restricted usage road	go 96 m total 99,3 km
	11. Turn right Restricted usage road	go 23 m total 99,3 km
	12. Turn right Restricted usage road Destination will be on the left	go 70 m total 99,4 km

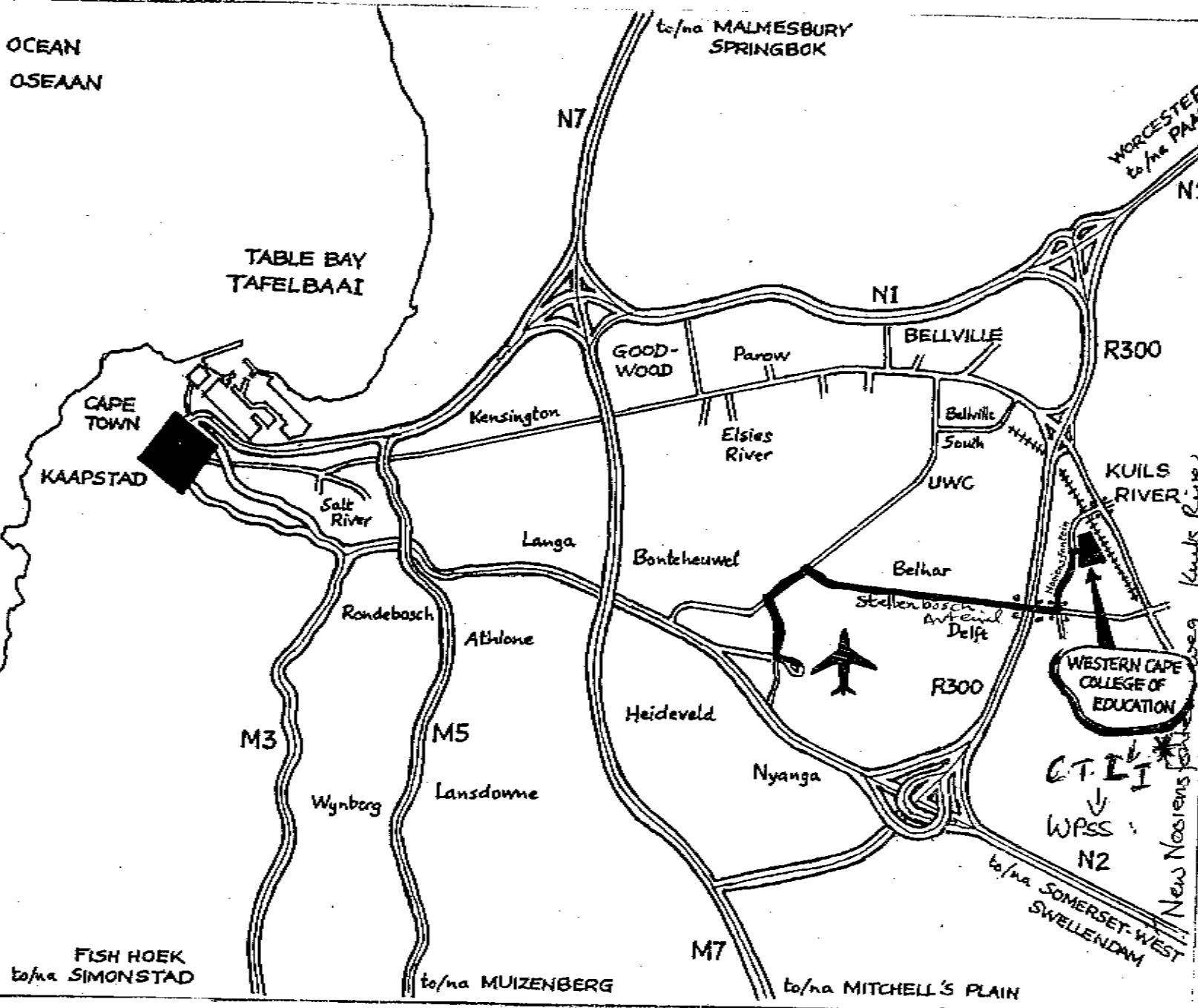
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7579 - 021 900 5000

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ATLANTIC OCEAN
ATLANTIESE OSEAN



WESTERN CAPE COLLEGE OF EDUCATION

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N2

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