



Secondary Mathematics Convention

Sunday 26, Monday 27 and Tuesday 28 November 2006

The annual Secondary Mathematics Convention will once again provide teachers with the opportunity to engage in quality professional development and to interact with a range of experienced Mathematics educators.

The Sunday sessions will be held at *Scotch College* in Swanbourne. Most of these sessions will involve interaction with computer technology and the sessions will be slightly longer than those on Monday and Tuesday. On Monday and Tuesday sessions will be held at the Esplanade Hotel Fremantle and a buffet lunch is included. A **sundowner** will be held after the sessions on Sunday and Monday. Please take advantage of this opportunity to network with other teachers, while partaking of a free beverage or two.

Cost: You can register as either a one day, two day or three day delegate.

Sunday (S)	Monday (M)	Tuesday (T)	All three days (A)
\$45 (\$65*)	\$115 (\$160*)	\$115 (\$160*)	\$240 (\$350*)

*non-member price

Institutional members are entitled to send a maximum of two participants each per day at the member price, additional participants pay the non-member price. All institutional members who register before November 6 will receive 2 places. Additional places will be allocated immediately after that date with those who registered early being allocated places first. (If we need to restrict numbers, preference will be given to MAWA members.)

How do I register? Complete the attached registration form for all teachers from your school and post or fax it before 6 November 2006 to: MAWA PO Box 440 Mirrabooka WA 6941 or fax 9345 0488.

Confirmations: Confirmation of registration will be emailed to the school contact by 13 November.

Cancellations: If cancellations are received before 11 November you will receive a full refund. There will be no refunds for cancellations after this date or for non-attendance on the day.

Keynote Speakers:



Merrilyn Goos is an Associate Professor in the School of Education at The University of Queensland, where she co-ordinates pre-service and postgraduate courses in mathematics education. Previously she worked in industry as a food technologist and as a TAFE and secondary school teacher of mathematics, chemistry and food science. For the last fifteen years her research has investigated pedagogical practices that promote higher order thinking in mathematics classrooms and connect mathematics learning to real world contexts. She has individually or collaboratively authored more than 100 research and professional publications, and her research is well known in the national and international mathematics education research communities, both for its innovative theoretical approaches and its strong focus on classroom practice. In her spare time she follows cricket and plans one day to develop an entire secondary mathematics curriculum around applications arising from this most subtle and noble of pastimes.



Nancy Snow is a registered psychologist who works for the Department of Education & Training in Maitland, NSW as a District Guidance Officer supervising a team of counsellors and counselling in a high school and small primary schools. When Nancy attended high school, career choices were basically - nursing, teaching, hairdressing or a business college secretarial course - so she chose teaching. Initially a 2 year trained primary school teacher, she went on studying part-time and externally to obtain her degree and then her masters in psychology and went from teaching to school counselling. Nancy has presented at state, national and international conferences, at staff development days in government and non-government schools around the state and is in demand as an after-dinner speaker. Her passion is to help people through information & skills to lead more effective lives through a better understanding of why we behave the way we do.

MAWA Secondary Convention

Sunday 26 November 2006 - Scotch College, Swanbourne

12:30 - 12:55	Registration			
12:55 - 1:00	Welcome			
	Room T1	Room T2	Room T3	Room T5
1:05 - 2:35 Session 1	Rod Langlands Mathletics: Find Out Why Mathletics Is The Most Used Educational Website In Australia Yrs P-12 Rep	Andrew Witkowski Electronic Textbook Resources for the Classroom Yrs 8-12	Martin Lamb How To Turn An Angel Into An Angel Fish Yrs 11-12 Rep	Tony Robb Working Mathematically Yrs 8-10 Rep
2:35 - 2:55	Afternoon Tea			
3:00 - 4:30 Session 2	Barry Kissane Marian Kemp Something Old, Something New Yrs 9-12	Jeff Baxter Maths Courses Of Study, 2008++ Yrs 11-12 Rep	Jon Roberts Using Handheld Technology To Teach The Mathematics Of Computer Aided Curves Yrs 11	Mark O'Brien Online Resources For The Integrated Maths Modules Yrs 8-10
4:30 - 5:30	Sundowner			

Rep This session is repeated at another time during the Convention

DRAFT PROGRAM

MAWA Secondary Convention – Monday 27 November 2006 – Esplanade Hotel Fremantle

DRAFT PROGRAM

8:30 - 9:00	Registration							
9:00 -10:00	Keynote session – Merrillyn Goos: Do Teachers Matter?							
10:00 -10:35	Morning Tea							
	Room 1 Admiralty Gulf	Room 2 King Sound	Room 3 Prince Regent	Room 4 Pleiades	Room 5 Orion	Room 6 Carnac	Room 7 Garden	Room 8 Rottnest
10:35 -11:25	Martin Lamb How To Turn An Angel Into An Angel Fish Yrs 11-12 Rep	Simon Purdue Interactive White Boards In Maths Yrs 7+ Rep	Elena Stoyanova The Power Of The Concept Maps Yrs K-12 Rep		Jeff Baxter Maths Courses Of Study, 2008++ Yrs 11-12 Rep	Charlie Watson Spreadsheets and The New Casio fx9850gAU Yrs 10-12 Rep	Jon Roberts Use Real World Data To Model Change By Estimating Derivatives Yr 12	Rod Barrett Shortcuts To Creating Maths Assessments On Your Computer Yrs 8-12
11:35 - 12:25	Michelle Östberg Writing Applications General	Robin Clarke Leading Curriculum Yrs 8-12 Rep	Rama Ramakrishnan Gemma Brnjak On A Camel To Baghdad from Samara... Yrs 8-12	Paul Hooper Efofex Roadshow- Demonstrations, Questions And Answers Yrs 8-12 Rep	Neville Punch Review of The 2006 TEE Calculus Exam Yr 12	Rod Langlands Mathletics: Find Out Why Mathletics Is The Most Used Educational Website In Aust. Yrs P-12 Rep	Jason Calloway Alison Walker Mark O'Brien WestOne Resources Yrs 11-12	Fiona Harling Beginning The Lesson With A Bang Yrs 8+ Rep
12:35 - 1:25	Noemi Reynolds Improving Numbers Yrs 8-12 Rep	Jodi Bavin Have Laptop... Where To Now Yrs 8-12 Rep		Tyrl Houghton Enlivening Applicable And Discrete Maths - Alias Fun With Big Kids Yr 12	Neville Punch Review of The 2006 TEE Applicable Exam Yr 12	Barry Kissane Geometry And The Graphics Calculator Yrs 9-12		LUNCH A
1:35 - 2:25	Paul Swan Using Mathemagic To Motivate Your Students Yrs 8-12	Tony Robb Working Mathematically Yrs 8-10 Rep		Charlie Watson 2007 TEE And The New Casio fx9850gAU Yr 12 Rep	Melissa Kuhlmann First Steps In Mathematics General			LUNCH B
2:30 - 2:45	Prize Draw for everyone in the Exhibitors Room – you need to be in the room to win!							
2:45 - 3:35	Norm Hoffman An Old Hand Looks At School Mathematics Yrs 8-12	Mark O'Brien Exploring And Applying Reciprocal Functions Yrs 9-12	Chris Longhurst The "Oh Yeah" Factor Yrs 8-12 GC		Jeff Baxter Maths Courses Of Study, 2008++ Yrs 11-12 Rep	Ilse Middleton Maths, Working Memory And The Brain Yrs 8-12	Richard Korbosky Middle School Games Yrs 7-9 Rep	Kaye Louwen Mathematical Origami – Decorative Cubes And A Dodecahedron Yrs 8-12
3:40 - 4:40	Sundowner							

GC This session uses Graphics Calculators - if possible please bring a graphics calculator **Rep** This session is repeated at another time during the Convention

MAWA Secondary Convention – Tuesday 28 November 2006 – Esplanade Hotel Fremantle

DRAFT PROGRAM

8:30 - 9:00	Registration							
9:00 -10:00	Keynote session – Nancy Snow: Do We Educate Or Do We Teach?							
10:00 -10:35	Morning Tea							
	Room 1 Admiralty Gulf	Room 2 King Sound	Room 3 Prince Regent	Room 4 Pleiades	Room 5 Orion	Room 6 Carnac	Room 7 Garden	Room 8 Rottneest
10:35 -11:25	Trudy Chick Kerry Clarke Numero Part 1 (cont. in session 2)	Jon Roberts Exploring Electronic Learning Applications Yrs 8-11 GC	Rama Ramakrishnan Penrose, Fractals, Googols And... Yrs 8-12		Jeff Baxter Maths Courses Of Study, 2008++ Yrs 11-12 Rep	Rom Cirillo Lea Wilson The Levelling Process - Are We Getting It Right? Implications For COS Yrs 8-10	Richard Korbosky Middle School Games Yrs 7-9 Rep	Fiona Harling Beginning The Lesson With A Bang Yrs 8+ Rep
11:35 - 12:25	Session 2 Numero Part 2 (cont. from session 1) Yrs 8-12	Paul Hooper Efofex Roadshow- Demonstrations, Questions And Answers Yrs 8-12 Rep	Chris Longhurst The NZ Experiment Using CAS In Year 9 Yrs 9-12 GC	Dave Wood Assessment And The New Courses Yrs 11-12	Merrilyn Goos The Murdered Mammoth Mystery Yrs 8-12	Rod Langlands Mathletics: Find Out Why Mathletics Is The Most Used Educational Website In Aust. Yrs P-12	Mark O'Brien Cooperative Learning In The Maths Classroom Yrs 8-12	Kaye Louwen Mathematical Origami – Exploring The Icosahedron Yrs 8-12
12:35 - 1:25	Charlie Watson Spreadsheets And The New Casio fx9850gAU Yrs 10-12 Rep GC	Simon Purdue Interactive White Boards In Maths Yrs 7+ Rep	Cheryl Praeger Codes: Links With Mathematics Yrs 9-12			Jodi Bavin Have Laptop... Where To Now Yrs 8-12 Rep	Grahame Crough Oh No. Now I Have To Teach Financial Literacy! Yrs 8-12	LUNCH A
1:35 - 2:25	Jon Roberts Datalogging For Sinusoidal Models Yrs 11- 12 GC	Mark Newhouse Making Judgements Using Progress Maps AISWA Online Resources Yrs 7-10	Sheila Byfield HCFs And LCMs – Do We Need Them? Yrs 8-10	Nancy Snow The Times, They Are A-Changing! Yrs 8-12	LUNCH B			
2:30 - 2:45	Prize Draw for everyone in the Exhibitors Room – you need to be in the room to win!							
2:45 - 3:35	Noemi Reynolds Improving Numbers Yrs 8-12 Rep	Barry Kissane Spreadsheets On The Graphics Calculator Yrs 9-12 GC	Elena Stoyanova The Power Of The Concept Maps Yrs K-12 Rep		Neville Punch Review Of The 2006 TEE Discrete Exam Yr 12	Charlie Watson 2007 TEE And The New Casio fx9850gAU Yr 12 Rep GC	Donna Miller National Consistence In Curriculum Outcome Project - The Statements of Learning in Mathematics Yrs 8-10	Robin Clarke Leading Curriculum Yrs 8-12 Rep

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The Mathematical Association of Western Australia (Inc.)

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MAWA ABN: 83 179 618 286

Secondary Mathematics Convention

Tax Invoice / Registration Form

(This registration form can be used for more than one teacher)

School _____ Contact _____

Tel no. _____ Email address (for confirmations) _____

You can register for one, two or three days. There is a discounted price if you register for all three days. Please indicate which day(s) each teacher would like to attend (eg S or M or T or SM or ST or MT or A).

	S – Sunday;	M – Monday;	T – Tuesday;	A – all three days	
One day:	S - \$45 (\$65*)	or	M - \$115 (\$160*)	or	T - \$115 (\$160*)
Two days:	SM - \$160 (\$230*)	or	ST - \$160 (\$230*)	or	MT - \$230 (\$320*)
Three days:	A - \$240 (\$350*)				

*non-member price

All prices include gst @10%

*Institutional members are entitled to send a maximum of **two** participants each per day at the member price, additional participants pay the non-member price.*

Name	Days registering (eg S MT A...)	M/ship No.	Full or Inst Member	Cost

Total Amount Payable \$ _____

I do not wish my details (name, school and email address) to be included on the delegate list in the Secondary Convention folder. Please note that these details are collected purely for the Secondary Convention and are not distributed by MAWA to any other parties.

I am interested in attending an informal dinner at a restaurant in Fremantle on the Monday night (at my own expense – meal not included in registration fee).

Please post your cheque (payable to MAWA) to the MAWA office or

I hereby authorise you to debit my card by \$ _____ (only Visa and MasterCard accepted):

Cardholder's name: _____ Signature: _____

Card No. _____ Expiry Date ____ / ____ Date: _____

Please send your registration in by Monday 6 November 2006
Confirmation of registration together with further details including
the program and abstracts will be emailed to the school contact by 13 November.

This form is your TAX INVOICE

MAWA has a privacy policy that endorses the National Privacy Principles set out in the Privacy Amendment (Private Sector) Act 2000. A copy of the privacy policy can be found on our website www.mawainc.org.au