

Doug Williams presents

Working Mathematically!

Working Mathematically with Very Little

Monday May 10th, 2010 (Sunshine Convention Centre)

Sometimes we think that we must have heaps of equipment and fancy computers to help students learn to work like a mathematician. As valuable as these resources are, the most important component is a teacher who 'lives by' the Working Mathematically process in the preparation, presentation and evaluation of their lessons. This session is a smorgasbord of activities built around pencil and paper and a few simple items like a packs of cards, dice and counters. The teaching model known as a Poster Problem Clinic features in one segment of the day. Best teaching practice is explored and refreshed and participants collect several ideas they can 'use tomorrow'.

Working Mathematically in Chance and Measurement

Friday May 14th, 2010, Buckingham International (Highett)

Mathematicians solve problems ... and the process they use to do so is completely identifiable. As we struggle to create curriculum suitable for the students of today, and the future they might face, teachers are learning to embed content within the Working Mathematically process. In the context of Chance and Measurement activities, we will identify and apply this process. We will go on to experience teacher-created structured units in Chance and Measurement which include hands-on problem solving, whole class investigations and integrated software. The workshop will also include research evidence confirming that an integrated approach to Working Mathematically does bring significant improvement in student numeracy and literacy. Participants will have significant time to plan a unit of their own with the help of the workshop resources.

Doug Williams taught mathematics at both Primary and Secondary level from 1970 to 1992 when he became a freelance consultant working almost exclusively in mathematics education. He has been involved in many ways over many years with the AAMT and MAV having been president of the MAV and editor of both its primary and secondary journals. He has written for an extensive number of journals and authored, or co-authored, several books. His most recent articles have been published in the 2009 December Conference papers of the MAV, Mathematics Teaching, March 2010, Association of Teachers of Mathematics (UK) and Primary Mathematics, Spring 2010, The Mathematical Association (UK). Doug's presentations at these sessions are from his Maths on the Move series of workshops.

Critical Agendas

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BOOKING CONDITIONS

No applications for this program will be accepted after all vacancies have been filled. Unsuccessful applicants will have their monies refunded in full. Cancellation prior to two weeks before the program date (cut-off date) will incur a 15% service charge per applicant. This program will be payable in full for cancellations made on or after the cut-off date or for failure to attend the program. All cancellations must be in writing and emailed to us. In the event of insufficient applications this program will not proceed and registration monies be fully refunded. In the event of this program being cancelled due to unforeseen circumstances registration monies only will be refunded as Critical Agendas will not accept liability for the payment of any other associated costs. Critical Agendas reserves the right to vary the advertised programs prior to commencement.

Timetable both days 9.30am - 3.30pm (Reg. 9.00am) PD Hrs: 6 Hrs per day

May 10th, 2010

Sunshine Convention Centre
460 Ballarat Road, Sunshine

May 14th, 2010

The Buckingham International
1130 Nepean Hwy, Highett

For directions please go to maps.google.com.au

Free Parking on each Site!

Please Note: Participation includes provision of an appropriate resource to take back to school. Part of your program will include time to know this resource well enough to (a) trial it immediately with students, (b) use it as 'show and tell' to background other staff in what you have learnt.

Please try to bring a notebook computer

Book Now by Fax or Mail!

Cost (GST incl.): \$249

A letter of confirmation will be sent to the school

Cost includes notes, morning tea, lunch and participation certificate. ✂

Registration Form - May be photocopied (Tax Invoice)

Working Mathematically!

6 PD hrs per day

Please May 10 WM with Very Little - Sunshine CC

Choose May 14 WM in C & M - Buckingham Int.

Please complete and fax or mail to

\$249 per person per day

CRITICAL AGENDAS

P.O. BOX 1427 GEELONG 3220

FAX: 1800 638 021

Name/s (Please Print **CLEARLY** and in **CAPITALS**) Pls tick when attending:

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3. _____
4. _____
5. _____

School _____

School Address _____

_____ P/code _____ Ph _____

Mob. Phone _____ Fax _____

1. _____ Email _____

2. _____ Email _____

3. _____ Email _____

4. _____ Email _____

5. _____ Email _____

Please specify any special dietary needs: _____

School Order No.(if you wish to be invoiced): _____

Name of Contact for Invoice: _____

Contact Email: _____

OR Enclosed is payment for \$_____ payable to **CRITICAL AGENDAS** or please debit my

Card No. Mastercard Visa for \$_____

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