



# DRAFT PROGRAM MANSW Conference 2006

Friday 8th September

<b>From 8:00 am</b>	<b>Registration &amp; Coffee: Foyer</b>				
<b>9:00-9.15</b>	<b>Welcome</b> Endeavour Ballroom				
<b>9:15-10:30</b>	<b>Keynote address</b> <b>Douglas Butler: What can technology add to the Mathematics Classroom?</b> Endeavour Ballroom				
<b>10:30-11:00</b>	<b>Morning tea</b> Foyer				
	<b>Endeavour 1 &amp; 2</b>				
<b>11:00-12:00</b>	<b>Secondary - Board of Studies</b> <i>Update and Assessment Issues</i> <b>Session 1 Peter Osland, Margaret Bigelow &amp; Chris Thompson</b>				
<b>Room</b>	<b>Endeavour 1</b> 160	<b>Endeavour 2</b> 150	<b>Endeavour 3</b> 160	<b>La Perouse 1</b> 60	<b>La Perouse 2</b> Comp Lab 40
<b>Session 2A</b> <b>12:00-1:00</b>	<i>Exploring Algebra Geometrically</i>	room not in use	<i>Lovely Problems Elegant Solutions</i>	<i>Giving Maths Assignments</i> Dawn Bartlett	<i>Arithmetika</i>  Tony Allen
<b>LUNCH A</b>	Stephen Arnold 7-12		Morris Needleman 7-12	7-10	7-12
<b>Session 2B</b> <b>1:00-2:00</b>	<i>Cognitive challenge in Algebra</i>	room not in use	<i>Planning learner-centered programs</i> Jim Grant, Jan Glazier, Ed Lewis K-6	<i>Making the most of manipulatives</i>  Paul Swan 3-6	<i>Introducing LaTeX</i>  Thanom Shaw 11-12 & Post Sec
<b>LUNCH B</b>	Cyril Quinlan 7-10				
<b>Session 3</b> <b>2:00-3:00</b>	<i>Value of HSC for Tertiary</i> Paul Ayres, Peter Brown, Milan Pahor Catherine Wong 11-12 & Post Sec	<i>Recreational &amp; Fun Maths</i>  Anne Joshua 5-8	<i>Methods of Problem Solving</i>  Peter Taylor 7-12	<i>Trigonometry with a twist</i>  Carolyn McGinty 7-10	<i>CensusatSchool data</i>  Anthony Harradine 7-10
<b>Session 4</b> <b>3.00-4.00</b>	<i>Making WORD friendly</i>  Douglas Butler 7-12	<i>Words Worlds of Maths</i>  Nick Connolly K-12	<i>What should be in Extension Maths</i>  Peter Coutis 10-12 & Post Sec	<i>Graphics Calculators for Geom &amp; Trig</i>  Mary Barnes 7-10	<i>Creative use of Tech for Stage 4</i>  Tal Greengard 7-10
<b>4:00-4:20</b>	<b>Afternoon tea</b> Foyer				
<b>Session 5</b> <b>4:20-5:20</b>	<i>Individualising Assignments</i>  Tony Allan 7-12	<i>Catering for able students</i>  Anne Joshua 1-2	<i>Graphics Calculators in Stage 6</i> Paul Ayres Suzanne Walker 11--12	<i>Developing manageable tasks</i> Lloyd Dawe David Tynan 7-10	<i>Applications of spreadsheets</i>  Kevin Gosbell 7-12
<b>6:00 pm</b>	<b>Welcome Reception</b> <b>Foyer</b> <b>Sponsored by Abacus Calculators</b>				


# DRAFT PROGRAM MANSW Conference 2006

Saturday 9th September

8:00-9:00	 <b>Early morning coffee</b> Foyer				
Session 6 9:00-10:15	<b>Keynote address</b> <b>Dr Jamie McKenzie <i>Playing the Numbers</i></b> Endeavour Ballroom				
10:15-10:40	<b>Morning tea</b> Foyer				
<b>Room</b>	<b>Endeavour 1</b> 160	<b>Endeavour 2</b> 150	<b>Endeavour 3</b> 160	<b>La Perouse 1</b> 60	<b>La Perouse 2</b> Comp Lab 40
<b>Session 7</b> 10:40-11:40	<i>Projectile Motion Misconceptions</i>  Anne Prescott 11-12	<i>Empty Number Line</i>  Janette Bobis K-6	<i>Fibonacci, Golden Ratio &amp; Others</i>  Janet Hunter 7-12 Gifted	<i>Fun for tomorrow concrete materials</i>  Anita Chin 3-8	<i>Pythagoras revisited</i> Jack Mock Elizabeth Stone 7-12
<b>Session 8A</b> 11:40-12:40	<i>Using WORD for worksheets</i>  Emma Campbell 7-12	room not in use	Patterns to develop Algebra  Calvin Irons 3-6	<i>Graphics Calc Financial Maths</i>  Mary Barnes 11-12	<i>Solving Maths Mysteries</i>  Jamie McKenzie K-6
<b>LUNCH A</b>					
<b>Session 8B</b> 12:40-1:40	<i>Autograph for 2D &amp; 3D</i>  Douglas Butler 7-12	room not in use	<i>Individualised Curriculum</i>  Colin Marr 5-8	<i>Parametric Parabola</i>  Nikky Vanderhout 11-12	<i>My Pascal's Triangle</i>  Boris Handal 7-12
<b>LUNCH B</b>					
<b>Session 9</b> 1:40 - 2:40	<b>NSW Institute of Teachers</b> <i>Supporting New Scheme Teachers</i> Jan Donaldson K-6	<i>Using ICT for Patterning &amp; Algebra</i>  Kate Highfield Early Child & K-2	<i>New Ways to Think Spatially</i> Ian Iredale Peter Garside 7-12	<i>Is what you know the way to go?</i> Karen Ahearn Carla Gagliano K-6	<i>The Power of Numbers</i>  Jamie McKenzie 7-12
<b>Session 10</b> 2:40 - 3:40	<b>NSW Institute of Teachers</b> <i>Supporting New Scheme Teachers</i> Judith Page 7-12	<i>Product vs Process for planning</i>  Beth Southwell K-6	<i>Patterns &amp; Alg for young children</i>  Rosemary Irons Early Child & K-2	<i>Unit of work for Stage 4 Mixed Ability</i> Anita Chin 9-10	<i>Mathletics</i>  Delvene Neilson Andrew Smith K-6
3:40 - 4:00	<b>Afternoon tea</b> Foyer				
<b>Session 11</b> 4:00 - 5:00	room not available for use	room not available for use	room not available for use	<i>Computer based training (CBT)</i>  Steve Kelly 7-12	<i>Mathletics</i>  Delvene Neilson Andrew Smith 7-12
7:00	<b>Happy Half Hour</b>				
7:30	<b>Conference dinner</b> Endeavour Ballroom				
	<i>Magic in the Air</i>				

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Sunday 10th September

8:30-9:00	 <b>Early morning coffee</b> Foyer				
<b>Room</b>	<b>Endeavour 1</b> 160	<b>Endeavour 2</b> 150	<b>Endeavour 3</b> 160	<b>La Perouse 1</b> 60	<b>La Perouse 2</b> Comp Lab 40
<b>Session 12</b> 9:00-10:00	<i>Working Math'lly at sea</i>  David Keanan-Brown 11-12	room not in use	<i>Catering for Able Students in Stage 1</i>  Anne Joshua 1-2	<i>HOTmaths</i>  Sharon London Janine Angove 6-8	<i>Sudoku and Spreadsheets</i> Allan White John Hastings 3-10
<b>Session 13</b> 10:00-11:00	<i>Autograph Prob &amp; Stats</i>  Douglas Butler 7-12	room not in use	Hands-on for line of best fit Steve Thornton Fiona Wymer 11-12	<i>A smarter Calculator</i>  Jenni Way 3-6	FXDraw 3 Part 1  Tobias Cooper 7-12
11:00-11:30	<b>Morning tea</b> Foyer				
<b>Session 14</b> 11:30-12:30	<i>Lovely Problems Elegant Solutions (repeat)</i> Morris Needleman 7-12	room not in use	<i>Make Maths Fun Bloomsmath</i>  Rachel McCann K-8	<i>Mathemagic</i>  Paul Swan 7-10	FXDraw 3 Part 2  Tobias Cooper 7-12
<b>Session 15A</b> 12:30-1:30	<i>Spreadsheets Stage 4 &amp; 5</i>  John Ley 7-10	room not in use	<i>What's wrong with Geometry?</i>  John Brodie K-12	Patterns to develop Algebra  Calvin Irons 3-6	<i>Games with Geometers' Sketch</i>  Thomas Garvey 7-12
<b>LUNCH</b>					
<b>Session 15B</b> 1:30-2:30	<i>Focussing on Learning</i>  Mark O'Brien 7-12	room not in use	<i>Ideas for teaching able students</i>  Anne Joshua 3-6	<i>Inquiry approach using games</i>  Gerard Tuffield K-6	<i>Can your students go on the ride?</i>  Anthony Harradine 3-8
<b>LUNCH</b>					
2.30-3.30	<b>Closing Address</b> <b>Dr Clio Cresswell: Mathematics and Sex</b> Endeavour Ballroom				
3:30	<b>Afternoon tea</b> Foyer <b>The end</b>				



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<b>9:15-10:30</b>	<b>Keynote address</b> <b>Douglas Butler: What can technology add to the Mathematics Classroom?</b> Endeavour Ballroom				
<b>10:30-11:00</b>	<b>Morning tea</b> Foyer				
	<b>Endeavour 3</b>				
<b>11:00-12:00</b>	<b>Primary - Board of Studies</b> <i>Update and Assessment Issues</i> <b>Margaret Malone &amp; Vilma Fyfe</b>				
<b>Room</b>	<b>Sirius 1</b> 36	<b>Sirius 2</b> 65	<b>Discovery</b> 40	<b>Supply</b> 24	<b>Bounty</b> 24
<b>Session 2A</b> <b>12:00-1:00</b>	<i>Secondary teachers &amp; new syllabus</i>	<i>Pythagoras Garden</i>	<i>HOTmaths</i>	<i>Applets make all the difference</i>	room not in use
<b>LUNCH A</b>	Michael Cavanagh 7-10	John Mack 7-12 & Post	Janine Angove 7-10	Chris Longhurst 7-12	
<b>Session 2B</b> <b>1:00-2:00</b>	<i>Quality teaching school journey</i> S.Crawford K.King T.Takins T.Trivas K-6	<i>Online Learning Materials for K-6</i> Maree Camilleri Nichola Perkins K-6	<i>Assessing learning efficiently</i>  Alexander Young 3-6	<i>Investigations in Stage 4</i>  Allison Davis 7-8	room not in use
<b>LUNCH B</b>					
<b>Session 3</b> <b>2:00-3:00</b>	<i>Planning a unit of work</i> Karen McDaid Cathy Attard K-6	<i>Graphics Calc in General Maths</i>  Richard Andrew 11-12	<i>Same or Differentiated</i>  Bunio Vink 7-12	<i>Looking back Moving forward</i> Karen Ahearn Georgina Havadjia K-6	<i>Making General Maths Meaningful</i>  Nagla Jebeile 11-12
<b>Session 4</b> <b>3.00-4.00</b>	<i>Using visual models for number facts</i>  James Burnett K-6	<i>Bright Ideas Working Math'ly</i>  Judy Anderson 7-10	<i>Patterns &amp; Algebra Working Math'ly</i> Michael Mitchelmore Heather McMaster 7-10	<i>Three types of Mathematicians</i>  Mick Kerin K-6	<i>Maths degree will travel</i> Liz Speilman Jennifer Turnbull 7-12
<b>4:00-4:20</b>	<b>Afternoon tea</b> Foyer				
<b>Session 5</b> <b>4:20-5:20</b>	<i>Teaching the Harder Ext 1 topics</i>  Anthony Lantry 11-12	<i>Fundamental Theorem of Calculus</i>  Anthony Harradine 11-12	<i>Mighty mental arithmetic</i>  Peter Maher 3-6	<b>FLEXIMATHS</b>  Karen Hughes 5-8	<i>Equations Balance vs inverse</i>  Bing Hiong Ngu 7-10
<b>6:00 pm</b>	<b>Welcome Reception</b> <b>Foyer</b> <b>Sponsored by Abacus Calculators</b>				


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10:15-10:40	<b>Morning tea</b> Foyer				
<b>Room</b>	<b>Sirius 1</b> 36	<b>Sirius 2</b> 65	<b>Discovery</b> 40	<b>Supply</b> 24	<b>Bounty</b> 24
<b>Session 5</b> 10:40-11:40	<i>An Area to investigate</i>  Peter Fox 11-12	<b>ASISTM</b> <i>Outback Maths Part 1</i> K.Rodwell, C.Bartley J.Brady,J.Colmer K-6	<i>HOTmaths</i>  Sharon London 7-10	<i>Curve sketching Quick &amp; Easy</i>  Anthony Lantry 7-12	<i>Whiteboardmaths</i>  Rhys Williams 3-6
<b>Session 8A</b> 11:40-12:40	<i>Assessing learning efficiently</i>  Alexander Young 7-12	<b>ASISTM</b> <i>Outback Maths Part 2</i> as above + D.Wade,K.Gibson K-6	<i>Early Patterning "Tower Tasks"</i>  Jennie Marston Early Child & K-2	<i>Numeracy based learning difficulties</i>  Samantha Hornery K-12	room not in use
<b>LUNCH A</b>					
<b>Session 8B</b> 12:40-1:40	<i>Technology in General Maths</i>  Peter Hickey 11-12	<i>Geometry on a calculator</i>  Barry Kissane 7-12	<i>Teaching with PowerPoint</i>  Christopher O'Brier 7-12	<i>Algebraic equations crossing the bridge</i>  Shane Scott 7-10	room not in use
<b>LUNCH B</b>					
<b>Session 9</b> 1:40 - 2:40	<i>Graphics Calc Investig Maths</i>  Richard Andrew 7-12	<i>A little piece of PI</i>  Peter Fox 7-12	<i>Technology General Maths</i>  Chris Longhurst 11-12	<i>Teaching in rural isolated school</i>  Angela Curnow 7-10	<i>Learning tools for Stage 2,3,4 Number</i>  Rod Krause 3-8
<b>Session 10</b> 2:40 - 3:40	<i>New Century Maths 9 Essentials</i>  Robert Yen 7-10	<i>Assessing Working Math'llly</i> Trish Fisher Judy Anderson K-6	<i>Interactive Whiteboard for Secondary</i>  Tobias Cooper 7-12	<i>Maths Exams 1850-2005</i>  Stephen Curtis 7-12	<i>Pattern &amp; Structure in K-2</i>  Joanne Mulligan K-2
3:40 - 4:00	Foyer				
<b>Session 11</b> 4:00 - 5:00	<i>Maths &amp; Science in Middle Years</i>  Stephen Arnold 7-9	<i>Fantastic Folding Feats</i>  Allan Turton 3-6	<i>Hands-on for Mental Computation</i>  Brian Tickle K-6	<i>Maxima &amp; Minima</i>  Richard Porter 11-12	<i>Whiteboardmaths</i>  Rhys Williams 7-12
7:00	<b>Happy Half Hour</b>				
7:30	<b>Conference dinner</b> Endeavour Ballroom <div style="float: right; text-align: right;">  </div>				

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<b>Session 12</b> 9:00-10:00	<i>Aligning worksamples to A-E grades</i> Chris Thompson Sharon Phillips K-6	<i>Exponential Functions</i>  Mark O'Brien 7-12	<i>Calculus Exploration</i>  Peter Fox 11-12	<i>Gap between High School &amp; Uni</i>  Rebecca Hudson 7-12 & Post Sec	<i>Ideas for Senior Maths</i>  Anthony Mahoney 7-12
<b>Session 13</b> 10:00-11:00	<i>Aligning worksamples to A-E grades (repeat)</i> Chris Thompson Sharon Phillips K-6	<i>Graphics Calc Spreadsheets</i>  Barry Kissane 7-12	<i>Numeracy vs Mathematics</i>  Bruce Llewelyn 5-8	<i>The latest hand-held technology</i>  Marty Schmude 7-12	<i>Lessons adapted from Internet</i>  Janice Lawrenz 7-12
11:00-11:30	<b>Morning tea</b> Foyer				
<b>Session 14</b> 11:30-12:30	<i>Graphics Calc PD Program</i> Brian Lannen, John Springall, Geoff Dix 7-12	<i>Fantastic Folding Feats</i>  Allan Turton 7-10	<i>Mental algebra</i>  Anthony Harradine 7-12	room not in use	room not in use
<b>Session 15A</b> 12:30-1:30  LUNCH	<i>Woodvale Primary T115 project</i> Paul Swan Kellee Williams 1-6	<i>Bright Ideas Working Math'ly (repeat)</i> Judy Anderson 7-10	<i>Mathematical Modelling</i> Allan White Parmjit Singh 7-12	room not in use	room not in use
<b>Session 15B</b> 1:30-2:30  LUNCH	<i>Ideas for teaching Alg, Prob &amp; Number</i>  Anthony Mahoney 7-12	<i>Little Ideas for tough students</i>  Kuldip Khehra 7-12	room not in use	room not in use	room not in use
2.30-3.30	<b>Closing address</b> <b>Dr Clio Cresswell: Mathematics and Sex</b> Endeavour Ballroom				
3:30	<b>Afternoon tea</b> Foyer <b>The end</b>				