

Calendar, Term 3	
<b>July</b>	
20	Investigating: Mathematics projects due at MANSW
20	Talented Students' Day, Sydney University
<b>September</b>	
30 Sept. – 2 Oct.	Annual Conference
<b>October</b>	
16	Preparing to be a Head Teacher long inservice course starts

## From the President

Welcome back to Term 3! I hope that you all had a refreshing holiday and are full of creative, exciting ideas to bring to your classrooms in the second half of 2007.

This time of year is a busy one for a full range of MANSW student services. Our very popular HSC Lectures were held on Monday 2 July at The University of Sydney. These were once again a great success, very well attended, and I take this opportunity to thank our wonderful volunteer presenters who did such a great job for the students. Similarly, our Talented Students' Day will also be held at The University of Sydney on Friday 20 July and I thank them again for their support of this activity. Our dates for Mathematics at Luna Park are also filling very quickly—if you haven't already done so, apply now to be sure that your students don't miss out!

And speaking of missing out, it's not too late to register for the MANSW Annual Conference. Port Macquarie will be inundated with all things mathematical from 30 September to 2 October and we would love to see you there. The full conference program is looking fantastic, with many great keynote addresses and workshops. Registrations will close on Friday 31 August, or earlier if the conference is full. So register early to avoid disappointment. The conference dinner is one party you won't want to miss.

The NSW Branch of the Statistical Society of

Australia is presenting a workshop titled *Integrating statistical ideas into mathematics* on Wednesday 25 July 2007 at Macquarie University. The Draft Writing Briefs for our new Stage 6 courses contain more statistics and so the aim of such workshops is to build links between people involved in planning and delivering the statistical components of secondary school mathematics syllabuses and those involved in continuing the statistical education of students once they are in tertiary institutions. This particular workshop aims at raising some of the issues with including statistical ideas in secondary school mathematics and at discussing paths that can be taken to improve the links between mathematics and statistics. More information, including how to register for this free workshop, is available in the 'What's New' section of the MANSW website.

The National Mathematics Summer School (NMSS) is a program for the discovery and development of mathematically gifted students from all over Australia. It is a two-week residential summer course held each year at the Australian National University in Canberra. Students participate in a series of lecture courses and tutorials from mathematicians in a number of branches of mathematics at a relatively advanced level. Do you have a talented student currently in Year 11, studying Extension 1 Mathematics, who should be considered for NMSS? More information, further links, and nomination forms are available in the Student Services section of the MANSW website.

I hope Term 3 is kind to you and I look forward to talking with you at the MANSW conference at the end of the term—if not before!

HOLLY GYTON

---

## Are you missing out?

Throughout 2007, MANSW has begun sending out *MANSW e-news* to our members between our regular printed newsletters. These electronic bulletins have included the most up-to-date information on syllabus reviews, activities around Australia, and reminders about MANSW events. These e-news bulletins and e-news flashes ensure that MANSW members are always kept informed.

If you haven't received any copies of *MANSW e-news*, then please contact our office immediately to update your email address.

---

## Did you know . . .

Did you know that our General Mathematics students will be using quite different writing booklets in their HSC examination this year? As outlined in a recent Board Bulletin (Vol. 16, No. 2) these booklets will be pre-printed with centre numbers, student numbers, and the question numbers. Samples of the new booklets are available to view and download from the Official Notices section of the Board of Studies website. Why not show your General Mathematics class today and make sure they are well prepared?

---

## Item of Interest

**FREE** workshop presented by The NSW Branch of the Statistical Society of Australia

### Integrating statistical ideas into mathematics

Wednesday 25 July 2007, 1.00–5.30 p.m.  
Macquarie University, Building E6A Room 102

#### Who should attend?

Secondary school mathematics teachers and teachers of statistics at university, heads of secondary school mathematics departments, personnel involved in developing secondary school mathematics syllabuses, and any other people interested in the integration between mathematics and statistics teaching in secondary schools.

#### About the workshop

This workshop is planned to be the first in a series of encounters to build links between people involved in planning and delivering the

statistical components of secondary school mathematics syllabuses and those involved in continuing the statistical education of students once they are in tertiary institutions. The focus will move to the planning process for the new secondary schools mathematics syllabus to be introduced in 2010 and some ideas on how to make the mathematics and statistics components coherent.

#### Workshop format

There will be four sessions. The first session will be presentations on the current state of play. The following session will be presentations of examples of what is happening in statistical education at school and tertiary levels with time for questions. The session after the tea-break will be small group discussions after a lead-in presentation giving some ideas on how to integrate statistical ideas. The final session will be a joint session to present the findings from the small groups.

#### Post-workshop

The aim is to provide the feedback from the workshop to the relevant curriculum development personnel and plan a time for the next workshop.

*After the workshop we would like to invite you to join us for drinks and possibly dinner at a nearby venue.*

To register your interest for the workshop please email Boris Choy at [boris.choy@uts.edu.au](mailto:boris.choy@uts.edu.au) or Caro Badcock on [cbadcock@bordernet.com.au](mailto:cbadcock@bordernet.com.au)

For more detailed information see the MANSW website [www.mansw.nsw.edu.au](http://www.mansw.nsw.edu.au) in the What's New section.

---

#### Member of the Month

This month's lucky winner is Lyndell Hatch of Frenchs Forest. Congratulations, please contact the MANSW Office to claim your book-voucher prize.

---



---

**Copy for Newsletter No. 6 is due by 3/8.  
Publication date is 20/8.**

---

# MANSW Long Inservice Course

## Preparing to be a Head Teacher

Seven Tuesday evenings: 16 October to 27 November 2007

16, 23, 30 October, 6, 13, 20, 27 November

4.30–6.30p.m.

MANSW Office, in the grounds of Kent Road Public School

Cnr Kent and Herring Roads, Eastwood

Cost: \$220 (members) / \$300 (non-members)

This course is for mathematics head teachers and those aspiring to become heads of a mathematics department. The course consists of 7 two-hour sessions on Tuesday evenings over the year. A variety of guest speakers will present the sessions.

Session	• Session Outline
Leadership and the role of the Head Teacher (HT) Mathematics	<ul style="list-style-type: none"> <li>• five domains of leadership</li> <li>• qualities of an effective leader</li> <li>• the HT mathematics' roles and responsibilities</li> <li>• developing a department shared purpose and vision</li> </ul>
Interpersonal skills and mathematics department team-building	<ul style="list-style-type: none"> <li>• effective communication skills</li> <li>• what is a team?</li> <li>• available system support</li> <li>• developing HT networks</li> </ul>
Promoting effective mathematics teaching and learning	<ul style="list-style-type: none"> <li>• supporting <i>Quality Teaching</i></li> <li>• identifying professional development needs of the department</li> <li>• planning a department professional development program</li> </ul>
Catering for individual differences in the mathematics classroom	<ul style="list-style-type: none"> <li>• strategies for catering for individual differences</li> <li>• differentiating the mathematics curriculum</li> <li>• applying Bloom's taxonomy</li> <li>• learning styles and Gardner's multiple intelligences</li> </ul>
Managing the department	<ul style="list-style-type: none"> <li>• department planning and budgeting</li> <li>• programs, registration, and policies</li> <li>• assessment and reporting</li> <li>• probationary teacher programs</li> <li>• supervision of staff</li> </ul>
Using data to improve students' learning outcomes	<ul style="list-style-type: none"> <li>• tools for department evaluation</li> <li>• factors impacting on student learning outcomes</li> <li>• support structures to assist improvement</li> <li>• how to use data</li> </ul>
Planning for action	<ul style="list-style-type: none"> <li>• merit selection</li> <li>• time management</li> <li>• department review</li> <li>• personal action plan</li> </ul>

**The registration form can be found on the MASNW Website—  
www.mansw.nsw.edu.au—in the Professional Development area**

