Working Mathematically in Mixed Ability Classrooms

This one-day course is designed for teachers of K-6 Mathematics.

The Working Mathematically strand underpins the whole of the new NSW Syllabus for the Australian Curriculum Mathematics K-10. This one-day workshop will look at how the teaching and learning of the outcomes of this strand can be addressed in conjunction with concepts from Number and Algebra. There will be discussion of rich tasks and participants will learn how to easily develop new tasks. Participants will have opportunity to collaborate with their peers on ideas for assessment.

This will be a hands-on workshop where participants will engage with many of the activities that they will be able to take back to their classrooms to use immediately with their students. The examples used are adaptable to all year levels. The activities will incorporate differentiated strategies to meet the needs of all students in the class. This K-6 workshop will allow participants to:

- develop strategies for teaching students a variety of methods for problem solving
- explore a range of methods for developing suitable questions that will grow students’ problem solving and reasoning abilities
- model the use of concrete materials to support students’ understanding
- engage with activities that will promote student thinking
- discuss the use of rubrics for assessment
- study and assess student work samples that include responses to open-ended questions.

During the workshop, participants will also explore ways in which they can use NAPLAN style questions in the teaching and learning of Working Mathematically skills.

The presenter, Maria Quigley, has been a teacher for over 25 years and is currently a lecturer in Mathematics Education at the University of Sydney.

To register for this course visit the MANSW website at www.mansw.nsw.edu.au and use the Teacher Event link to access the course through Primary Professional Learning.

**National Professional Standards for Teachers:** 1.1.2, 1.5.2, 2.1.2, 2.5.2, 3.4.2, 5.1.2, 5.3.2, 6.3.2, 6.4.2.

**Time:** 9.15 am for 9.30 am to 3.30 pm  
**Date:** 20/07/2015  
**Venue:** Armidale Ex-Services Club  
**Registration:** 9:15 am  
**Cost:**  
- **$140** (incl GST) for MANSW members  
- **$195** (incl GST) for non-members  
  (morning tea and lunch included)

**Closing Date:** 13/07/2015

Completing Working Mathematically in Mixed Ability Classrooms will contribute 5 hours of QTC Registered PD addressing 1.1.2, 1.5.2, 2.1.2, 2.5.2, 3.4.2, 5.1.2, 5.3.2, 6.3.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.