



## **WEBINAR TUESDAY 19 APRIL, 4:30PM TO 5:30PM (EST)**

*Connect with Maths: Early Years Learning in Mathematics*

Looking for Patterns in Mathematics K-2: Using the Top Drawer Teachers

Presenter: Professor Joanne Mulligan

### **Australian time zones**

4:30-5:30pm - NSW, TAS, VIC, QLD | 4:00-5:00pm – SA, NT | 3:30-2:30pm - WA

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<http://www.aamt.edu.au/Communities/Webinars/Webinar-registration-2016>



Joanne Mulligan is Professor of Education in the Department of Educational Studies, Faculty of Human Sciences Macquarie University Sydney. Her background is in early childhood and primary teaching and professional development of teachers in mathematics education. She conducts a range of research projects focused on early number and spatial development including the development of children's multiplicative reasoning, and early algebraic thinking. She is well known for her work in professional learning in schools and more recently the Top Drawer teacher online resource for the Australian Curriculum: Mathematics.

Over the past decade she has developed with colleague Michael Mitchelmore the Pattern and Structure Mathematics Awareness Project with children aged 4 to 8 years and led several ARC funded and professional learning projects. She is currently Project Leader of 'Opening Real Science' funded by the Australian Government, which is aimed at improving pre-service teacher education in mathematics and science. She was recently appointed to represent Australasia on the International Committee for Mathematical Instruction.

### **Looking for Patterns in Mathematics K-2: Using the Top Drawer Teachers**

In the webinar we will explore the AAMT resource supporting the Australian Curriculum-Mathematics: *Top Drawer Teachers* for Patterns F-2. Patterning plays an important role in the development of mathematics across all strands. We will review some key research that led to the development of this resource: the Pattern and Structure Mathematics Project and Assessment.

We will navigate this website to show examples of key ideas related to patterns: These are organised as Big Ideas, common misunderstandings, good teaching and assessment, and activities. We will discuss how to integrate these ideas into your mathematics teaching across all strands of the curriculum.

### **Adobe Connect Session link**

Click on the following link to enter the session

<http://connect.vic.edu.au/CWM-160419-mulligan>

You may need to download the flash plugin called Addin for better video conferencing. You will be prompted to do this. Please allow time to set up your computer, desktop, tablet or smart phone.

Attendees will require to download the free Adobe Connect App from iTunes and other App providers.