



Seminar on “Mathematical Proficiencies in the Australian Curriculum: Old Medicine in the New Bottle Finally”

Date: Thursday 21 February 2019

Time: 14:00 – 15:30

Venue: E33-G021, Tin Ka Ping Lecture Hall, Faculty of Education

Language: Mandarin and English

Target Audience: UM Staff and Students, Mathematics Teachers

Online Registration: <https://go.um.edu.mo/1xhducjz> or QR Code



Abstract

This presentation will talk about why the current 'Australian Curriculum: Mathematics' introduced a new dimension of proficiencies, in addition to the set of three content strands. The new dimension of 4 proficiency strands are 'understanding', 'fluency', 'reasoning' and 'problem-solving'. They describe how school mathematics is learnt. Both primary and secondary school teachers across Australia are expected to integrate the development of these proficiencies in their students together with the teaching of content. In this talk, Professor Seah will offer some views on why the proficiencies are introduced only now in Australia and discuss the implications for school mathematics education in other countries.

Speaker

Prof. Wee Tiong SEAH is an Associate Professor in Mathematics Education at Melbourne Graduate School of Education, University of Melbourne, Australia. He is also Research Fellow of Zhejiang Basic Education Research Center, China. He has extensive professional experience in mathematics teaching across a range of school settings in Singapore and Australia. His research and professional interests focus on sociocultural, conative and affective aspects of learning.



He currently coordinates a multinational research team in a series of research studies, which are called the Third Wave project, since 2008. Macao is one of the participating regions. He also conducts collaborative research and consultancy activities in no less than 8 countries across Australia and Asia.

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