

“Results in maths and science are worrying” – are they? A closer look at TIMSS 2019 New Zealand results

**Associate Professor Maurice Cheng: TEMS Centre, Division
of Education, The University of Waikato.**

SEMINAR

TIMSS is the longest-running international assessment that monitors trends in student achievement in science and mathematics. Besides the international ranking and the rise/drop in NZ students' overall science and maths achievement, what does the most recent TIMSS tell us? This talk will explore the kind of data that the TIMSS 2019 study collected (from around 600,000 students, parents, teachers and school principals) and some results that are important for teachers and researchers in New Zealand, e.g., gender differences, and student values and attitudes towards science and mathematics.

Biography

Maurice M.W. Cheng is an Associate Professor of the Division of Education, The University of Waikato. He has been involved in Trends in International Mathematics and Science Study (TIMSS) for the past 15 years, including as National Research Coordinator (Science) of TIMSS Hong Kong in 2019. He also serves on the Extended Science Expert Group for OECD's PISA 2024 science study. His research interest is students' learning of science, particularly on the learning of socioscientific issues and the ways that verbal and visual representations facilitate meaning-making.

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DATE

17 February 2021

VENUE

Division of Education, Gate 4

TWG.10

TIME

3.30 pm Afternoon tea

4.00 pm Seminar

Zoom: <https://waikato.zoom.us/j/96509479853>

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