Mathematics Instruction Colloquium (MIC)

Jodie Hunter
j.hunter1@massey.ac.nz

Massey University

Recognizing the strengths and resources of diverse communities in mathematics education

When: 4 – 5 p.m., Monday April 14, 2025
Where: Hybrid (In-Person and Virtual)

In-Person: UA Physics-Atmospheric Sciences Building (PAS) <u>Room 588</u>
1118 E 4th St
Tucson, Arizona 85719
Virtual Zoom Link: arizona.zoom.us/my/pas588

Abstract: Within New Zealand and internationally, there is ongoing under-representation in mathematics of those who come from diverse groups such as Indigenous, migrant, and other marginalized communities. One aspect of this is a lack of recognition of the rich mathematical knowledge and strengths that students from these communities bring to the classroom. Addressing this necessitates acknowledging the resources of diverse communities including mathematical funds of knowledge, local and indigenous knowledge systems, and embedded values. This presentation presents insights from Pacific students in Aotearoa New Zealand, the Cook Islands, and Niue to highlight the importance of listening to members of marginalized communities. The findings demonstrate the many connections to mathematics and more broadly science which are embedded within the funds of knowledge and local and indigenous knowledge systems of Pacific people. This underscores the critical need to empower diverse learners to share their experiences, values, and everyday mathematical practices. By recognizing and building on strengths and resources, educators are provided with tools to develop more equitable outcomes.

COLLEGE OF SCIENCE
Mathematics