

1106-97-761

Michelle A Manes* (mmanes@math.hawaii.edu), University of Hawaii Mathematics Department, 2565 McCarthy Mall, Keller 401A, Honolulu, HI 96822. *Modeling with Mathematics: MTC sessions that encourage and illuminate this CCSS Mathematical Practice.*

The Math Teachers' Circle of Hawaii (MaTCH) is in its fourth year. We have found that our teacher participants have a lot of experience with and ideas about many of Common Core State Standards for Mathematical Practice, but MP4 "Model with Mathematics" is often a source of confusion for them. Many teachers interpret this to mean "demonstrate a problem solving method, and then have students mimic your solution on related problems."

Over the past two years, we have designed a few sessions specifically targeting the idea of "mathematical modeling": A session on bioacoustics, a session on bee population dynamics, several sessions inspired by the work of artist Sue Fuller, and a session on the traditional Hawaiian game 'Ulu Maika are just a few examples.

In this session, I will share descriptions of these sessions along with some of our participant feedback regarding their developing understanding mathematical modeling. (Received September 05, 2014)