Two Research Studies Examining Teaching and Learning in a Math Camp Setting

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1:00 pm in DERR 238
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Abstract:
I will describe two research studies being collaboratively conducted by a team of faculty and graduate students. One study examines a professional development that uses the Junior Summer Math Camp as a context for discussion and analysis of classroom practices and student learning among pre-service and in-service teachers. The other study investigates experiences of underrepresented participants in the high school Honors Summer Math Camp.

The Mathworks Summer Math Camps held annually at Texas State University and at a local school bring together students in grades 4 through high school, undergraduates and graduate students, practicing school teachers, and mathematics and mathematics education faculty to engage in learning and teaching mathematics. This presentation highlights how this setting can be used by mathematics education faculty and graduate students to conduct mathematics education research. Feedback and suggestions on these ongoing investigations are welcome.

Hiroko is an assistant professor of mathematics at Texas State University specializing in mathematics education. Her research interests include teacher noticing and practices that foster productive struggle.

Next Friday: Thanksgiving break! Then Dec 1: Paul Dawkins, On the importance of set-based meanings for categories for student learning of mathematical logic