Mathematics Department

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September 22, 2017

Math Camp for Elementary Preservice Teacher Noticing
Christina Koehne

Abstract: This talk will explore how a math camp can provide a unique opportunity for elementary preservice teachers to notice and decompose different teaching practices. I will be justifying the case for why a summer math camp for children can provide opportunities for elementary preservice teachers to notice different teaching practices. A collection of data and field notes, in addition to the literature, will be used to help in this justification. I will also be discussing, in a general outline format, the research questions, data collection plan, and data analysis plan that has come from this data and literature search.

Instructional coherence: A framework for comparing Chinese and American classrooms
Xiaowen Cui

Abstract: In this talk, I will discuss the use of instructional coherence to compare third grade classrooms in China and the U.S and provide background and motivation for a proposed study focusing on the introduction of fractions. Pilot data from China, in the form of video, will be shared showing some examples of how instructional coherence is evident in the classroom.

Christina Koehne and Xiaowen Cui are doctoral students in mathematics education at Texas State. Christina has worked with Mathworks the last three summers and is interested in the apprenticeship models of professional development. Xiaowen is interested in comparisons pedagogy and curriculum between the United States and China. In particular, in the instruction of concepts related to fractions.

Next Friday Sept. 29: Melhuish, Fagan & Guyot, Texas State University