

*Education  
Department  
Presents:*

# Jennifer Langer-Osuna

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## *Transformative Collaborative Mathematics Classrooms: Fostering Equity and Productivity*



Student-led group work is an increasingly common activity in K-12 mathematics classrooms. Students are expected to debate ideas, justify conjectures, and come to consensus on reasonable approaches to solving problems. Yet studies have shown that some students become unduly influential, while others are routinely marginalized.

Dr. Langer-Osuna pursues the question: how can collaborative mathematics classrooms foster both equity and productivity?

This talk explores the role of authority relations during collaborative math activity, and new design research, in partnership with local schools, based on the results of earlier, exploratory work. It closes by contextualizing these projects in a broader body of work focused on examining classrooms designed to equitably engage students from diverse backgrounds in intellectually productive mathematical activity.

Wednesday, November 8, 2017 ::: McHenry 0266 & 0292 ::: Snacks and Refreshments  
5:00-5:30pm Social ::: 5:30-6:30pm Colloquium ::: 6:30 - 7:00pm Social & Discussion