

# Inquiry in the High School Math Classroom

Presented by Enkela Paco and Brittany Patenaude, Upper School Math Teachers.

All In: When Theory Meets Practice in School Reform  
CUES Spring Symposium – April 28, 2018



# Theory of Practice

Learning experiences are carefully sequenced to engage students in acquisition of knowledge and making meaning with content that connects to their lives at an appropriate and rigorous level of challenge to connect to learners' interests, past knowledge, and strengths.

Teachers collaborate daily, focusing on collecting evidence of student learning for the purpose of informing their ongoing instruction and giving feedback to students on their progress.

# Context

Mathematics in high school is taught through a problem centered approach that promotes inquiry-based learning, and is well aligned with the Common Core State Standards and Mathematical practices.

In high school we continue to use Meaningful Math, and Core Plus

Meaningful Math is one of the three comprehensive high-school mathematics curricula identified as “Exemplary” by the U.S. Department of Education for providing convincing evidence of its effectiveness in multiple schools with diverse populations.

# Mathematics Education Outreach

We continue to work the Mathematics Education Outreach team. Consultants are supporting teachers with curriculum implementation through coaching and professional learnings. The focus of this collaboration is on increasing the mathematics content and instructional knowledge of teachers so that we can better support students to develop a deeper understanding of mathematics.

# What We've Noticed

Students have developed the confidence to engage in challenging mathematical tasks.

Students welcome opportunities to collaborate with each other to unravel tasks.

Students are engaged in making conjectures and provide evidence to prove their conjectures.

# Q&A

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# Take Aways

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