



Cornell University

K-12 Education and Outreach, Mathematics Department

MATH 5080 – Mathematics for Secondary School Teachers

April 7, 2018 ♦ 9:00 am – 2:30 pm (lunch provided) ♦ 406 Malott Hall

***Jody Magner & Sue McMillen** (SUNY-Buffalo State, Mathematics Department) have recently been recognized for their work with ~100 teachers and 14 administrators from Buffalo schools that resulted in improved student test scores. Come learn from this amazing team of mathematics educators!*

8:45 – 9:00 am Bagels & Juice (provided)

9:00 – 9:15 am Introductions

9:20 – 10:35 am Supporting English Learners in Mathematics

Learn about levels of language development and how to apply them to math questions. Explore the use of “leveled sentence frames” to support English learners as they study mathematics, and discuss applications for English learners in your classrooms.

10:45 am – 12 pm Clotheslines: A Useful Tool in Mathematics Classrooms

Delve into the use of clotheslines in your classroom to explore children’s mathematical thinking and reasoning. We will share the actual nuts and bolts of creating a clothesline and facilitating a clothesline discussion in your classroom, as well as resources to support your creation of “clothesline value sets” appropriate for students in grades K-12.

12:00 – 12:30 pm Lunch (provided)

12:30 – 12:50 pm Sharing Participant-Created Clothesline Activities

1:00 - 2:30 pm Number Tile Activities for use with Middle- and High-School Mathematics Students

Investigate the use of number tiles in middle- and high-school mathematics classrooms. Make and prove conjectures using number tiles. Explore number tile activities for multiple mathematical content topics appropriate for different grade levels. Leave this session with a set of number tiles and classroom activities.

RSVP by Friday, March 24, 2018

Registration (required): <https://www.math.cornell.edu/m/Community/5080#form>

Questions? Mary Ann Huntley (huntley@math.cornell.edu)