



# Mathematics Teacher Professional Development Workshop

**March 4, 2023**

Offered by the Cornell University Department of Mathematics as part of MATH 4980/5080, together with the NYS Master Teacher Program & the Teacher Center of Central Westchester

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## AGENDA

**9:00 – 9:20 am**                      **Welcome & Overview**

**9:20 – 10:50 am**                      **Function Approach to Geometry Transformations**  
Irina Lyublinskaya (Teachers College, Columbia University)

Let's make connections from algebra to geometry for our students! Students are introduced to functions informally in middle school and more formally in Algebra 1, but they rarely use the concept of function in geometry classes. In this session, participants will engage in activities with geometry transformations that reinforce understanding of functions and help students to make connections between new geometry topics and prior knowledge of functions.

**11:00 am – 12:00 pm**                      **Title TBD**  
Ravi Ramakrishna (Department of Mathematics, Cornell University)  
Description forthcoming.

**12:00 – 12:50 pm**                      **Break & Discussion**

**12:50 – 2:20 pm**                      **Creating Culturally Relevant Math Tasks**  
Toni Gamils (Teacher Center of Central Westchester)

A culturally relevant mathematics classroom is one in which teachers utilize materials and practices needed to support positive academic outcomes for all students. In this workshop, participants will draw from their students' strengths, knowledge, culture, and competence to create inclusive, relevant, and meaningful lessons in mathematics. Participants will work with grade-level teams to develop authentic and rigorous tasks to support regular education and English Language Learners in elementary and secondary classrooms.

**2:20 – 2:30 pm**                      **Wrap-Up & Closing**

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### Modality

virtual

### Credit

5½ CTLE hours  
or Master Teacher  
credit

### Cost

free, unless  
seeking Cornell  
University credit

### Registration & More Information

<https://e.math.cornell.edu/classes/math5080/>  
Mary Ann Huntley (huntley@math.cornell.edu)