

Mathematics Teacher Professional Development Workshop

October 25, 2025

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



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9:00 – 9:10 am	Welcome & Overview	
9:10 – 10:30 am	The Paperless Classroom	(Gr. 4–12)
Technology is an integral part of students' lives and a key component in today's 21st century classrooms. In this session we will explore strategies for bringing technology into the mathematics classroom to strengthen students' learning.		
Christie Kalinoglu has been teaching middle school mathematics for 23 years. This is the first year she is teaching at the high school level. In addition to mathematics, Christie is also certified in Biology, Chemistry, and Elementary Education. She has been an adjunct professor at Molloy College, and was awarded the Middle School Math Teacher of the Year in 2018 by the Nassau County Mathematics Teachers Association. She is a frequent speaker at local, state, and national mathematics education conferences.		
10:35 – 11:55 am	5 Practices for Orchestrating Productive Mathematics Discussions	(Gr. K–college)
Through real-time problem-solving, a case study, and a video illustrating <i>The 5 Practices in Action</i> (from PS 294 in the Bronx, 2017), in this session you will learn ways to anticipate students' strategies, as well as their misconceptions and errors, and apply that data to select and sequence student presentations for class discourse. You'll leave with resources for planning, monitoring, questioning, and selecting rich tasks to deepen students' conceptual understanding and communicating their reasoning.		
Helene Alalouf is an instructional coach and one of the first National Board Certified Teachers. Helene draws on decades of urban classroom experience to leverage research evident practices and emerging AI tools to build teacher proficiency to raise student achievement. She provides strategic professional learning—focused on data, inquiry, standards, and engagement—to help educators, students, and families meet their goals.		
11:55 am – 12:25 pm	Break	
12:25 – 2:25 pm	Impact: All Students as Powerful Drivers of Thinking Throughout Class	(Gr. 1–12)
The research and practice of Dr. Peter Liljedahl, outlined in his book <i>Building Thinking Classrooms</i> , has transformed mathematics instruction from an "I Do, We Do, You Do" approach, to an active, engaged, productive, "Thinking" approach, which democratizes and mobilizes student learning. In this session learn about Macro and Micro Moves, Toolkits, Tasks, Flow, Consolidation, Note Taking, and Recording Student Data.		
Melanie Myers is a NYS Master Teacher (Math) and a Math Specialist for Grades K–4 in the Williamsville Central School District. Her daughter, Gabrielle Myers, holds certifications in Adolescent Mathematics (Grades 7–12) and Computer Science, and has taught Thinking Classroom activities in several districts in Western NY.		 
2:25 – 2:30 pm	Closing	

Modality: Virtual (Zoom) **Cost & Credit:** free; participants may earn CTLE or NYS Master Teacher credit

Registration: <https://ecornell.cornell.edu/portal/cornell-math-workshop/>

Registration Deadline: 6 pm on Tuesday, 10-21-25

After registering, you will receive a separate e-mail from the eCornell Help Desk (ec_helpdesk@cornell.edu) that will include a link to the Canvas workshop site, where you will see detailed logistical information, including the Zoom link.