



Mathematics Teacher Professional Development Workshop

March 2, 2024

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

AGENDA

9:00 – 9:15 am **Welcome & Overview**

9:15 – 10:30 am **Middle-School Intervention Strategies**
Irina Lyublinskaya (Teachers College, Columbia University)

Learn about specific research-based recommendations to address the needs of struggling learners in mathematics; discuss how to carry out each recommendation; review examples illustrating specific intervention strategies for different recommendations; and develop strategies based on these recommendations for teaching specific topics of school mathematics in Grades 6–8.

10:35 am – 11:50 pm **Algebra Intervention Strategies**
Irina Lyublinskaya (Teachers College, Columbia University)

Continuing the prior discussion, this session will focus on algebra.

11:50 – 12:20 pm **Break & Discussion**

12:20 – 12:50 pm **Birds-of-a-Feather Session**
Break-out rooms will be available for same grade / same class discussions.

12:50 – 2:20 pm **Transforming Virtual Math Instruction to the Physical Classroom through Creative, Successful, and Innovative Strategies & Techniques**
Mark Marino (SUNY-Buffalo) & Dodie Ainslie (Broome-Tioga BOCES)

We will navigate the innovative virtual learning environment at the Broome-Tioga BOCES Virtual Learning Academy by examining digital teaching strategies, as well as learning experiences of online students. We will demonstrate how to transform virtual mathematics instruction into engaging, effective instructional techniques that will enhance teaching and learning successes in the traditional mathematics classroom setting.

2:20 – 2:30 pm **Closing**

Modality	Credit	Cost	Registration & More Information
virtual	5½ CTLE hours or Master Teacher credit	free, unless seeking Cornell University credit	https://e.math.cornell.edu/classes/math5080/ Mary Ann Huntley (huntley@math.cornell.edu)