

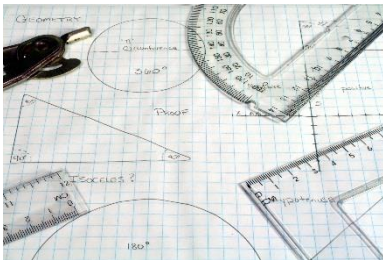


MASSACHUSETTS SCHOOL
ADMINISTRATORS' ASSOCIATION



An MSAA Professional Development Workshop for: Secondary Teachers of Mathematics Curriculum Leaders, Principals, and Assistant Principals

Engage in Mathematics in Career Areas: Measurement and Geometry in the Vocational Setting for Grades 9–12



**Featuring Delta Education Presenter:
Dr. Polina Sabinin**

Thursday, April 4, 2019
at the MSAA Office, Franklin

Sign-In: 8:00am–8:30am
Workshop: 8:30am–3:00pm

PD Hours: 6
Content Area: *Mathematics*

Fees: Member \$215 / Non-Member \$285

MSAA Contact: pd@msaa.net

Measurement and geometry go well beyond a ruler and a formula. Measurement includes concepts of precision, accuracy, reliability, estimation, rounding, error, and many more. This workshop will address the most central concepts of measurement and geometry and common misconceptions with special connections to career and vocational areas. It will provide hands-on activities for students to fill the gaps and develop conceptual understanding of earlier concepts while continuing to focus on grade 9-12 level work.

Throughout the workshop, participants will be provided with a variety of refreshing aligned activities and strategies for use in their classrooms.

Participants will:

- Deeply analyze concepts underlying measurement such as direct and indirect measures, intensive and extensive measures, dimensionality of measures, measurement error, precisions, accuracy and reliability
- Analyze students' misconceptions about measurement and geometry
- Explore a variety of aligned classroom activities to engage all high school students.
- Experience the "Standards for Mathematical Practice" and "Mathematical Teaching Practices" in action.

Dr. Polina Sabinin is an Assistant Professor of Mathematics at Bridgewater State University. She is a faculty fellow at the Office of Teaching and Learning at BSU. Through her outreach at the Center for the Advancement of STEM Education at BSU, Polina works with in-service and pre-service teachers at all grade levels. Polina is also the state director for the international Math Kangaroo Olympiad. She is currently co-authoring *LogicGym*, a teacher's manual that introduces students to logic through an engaging visual game

[Register online at www.msaa.net](http://www.msaa.net)

LEADERSHIP MATTERS



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