

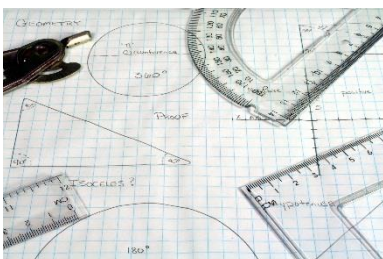


MASSACHUSETTS SCHOOL
ADMINISTRATORS' ASSOCIATION



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

Engage in Mathematics in Career Areas: Fractions in the Vocational Setting for Grades 9–12



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

Thursday, November 1, 2018
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

What do we do with the students who enter high school with fragile, superficial, and procedural knowledge of fractions – or worse? This lack of understanding hampers their work in high school mathematics and career areas. In April 2018, Dr. Sabinin facilitated an MSAA workshop about fractions and proportional reasoning in vocational settings. It became clear at that workshop that teachers need resources to support students struggling to make sense of operations on fractions. This workshop will address ways to make sense of fractions and operations on fractions in both career and vocational areas. Throughout the workshop, participants will be provided with a variety of refreshing Common Core aligned activities and strategies for use in their classrooms in developing students' Mathematical Practices and stimulating further thought.

Participants will:

- Analyze students' misconceptions about fractions and operations on fractions as well as how to select activities which help them correct their thinking while on grade level.
- Explore a variety of Common Core aligned classroom activities to engage all 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

LEADERSHIP MATTERS



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