



MASSACHUSETTS SCHOOL  
ADMINISTRATORS' ASSOCIATION



*An MSAA Professional Development Workshop for: Mathematics Teachers Grades 1-4, Special Education Teachers, Department Leaders, Principals, and Assistant Principals*

## Differentiated Instruction in the Elementary Math Classroom, Part Two Math Talk, Writing in Math, and More!



Featuring **TEACHERS21** Presenter:  
**Marcie Abramson, Ed.M.**

**Tuesday, January 29, 2019**  
at the MSAA Office, Franklin

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

**PD Hours:** 6  
**Content Area:** Curriculum and Instruction

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

**MSAA Contact:** [pd@msaa.net](mailto:pd@msaa.net)

This highly participatory workshop will engage teachers in creative, real-world problems that allow the opportunity to discover how using multiple representations and solution strategies allows all students access to communicating responses. Participants will be able to participate in and discover how math-talk and math discourse-strategies can reveal students' understandings as well as misunderstandings of mathematical concepts and ideas.

Participants will engage in problems and tasks that allow the opportunity to see how using effective questioning, varied formative assessment strategies and tasks can build class relationships based on good-discourse and understandings.

### Participants will:

- Investigate problems directly aligned with the Eight Standards of Mathematical Practice.
- Utilize BIG problem solutions that can be communicated with multiple representations.
- Analyze error patterns and misused strategies in student work.
- Develop strategies for types and styles of math discourse and formative assessment.

**Note:** Part One of this workshop on **September 28, 2018** focuses on other DI strategies including open questions, parallel tasks and tiered learning activities.

**Participants may sign up for Part One, Part Two, or both!**

**Marcie Abramson** is an adjunct professor at Brandeis University where she teaches the Elementary Mathematics Methods course. Marcie taught middle school mathematics for thirty years and is a consultant and workshop presenter at the local and national level. Marcie was elected to the Massachusetts Mathematics Teacher Hall of Fame in 2018.

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

**LEADERSHIP MATTERS**

MSAA | 33 Forge Pkwy | Franklin, MA 02038 | 508-541-7997

