

A professional development offering for: Middle School Classroom Teachers, Special Educators, Department Heads, Team Leaders, Curriculum Coordinators, Principals, and Assistant Principals



Differentiated Instruction in the Middle School Math Classroom, Part Two



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

Thursday, January 18, 2018
at the **MSAA Office, Franklin**

Sign-In/Registration: 8:00 am to 8:30 am

Workshop: 8:30 am to 3:00 pm

Fees: Member \$195/Non-Member \$260

6 Professional Development Hours

PD Content Area: *Mathematics*

This workshop is designed for teachers of mathematics who are committed to continue implementing the Massachusetts Framework based on the Common Core that highlights differentiation in the math classroom. 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 to big word problem tasks. This workshop will highlight how differentiating tasks by content, activities and product can empower students to choose how they best learn. The goal of this workshop is to provide activities that will bring a positive transfusion of math energy to new and seasoned teachers. Teachers will become more comfortable using multiple instructional strategies and differentiated tasks as well as having workshop time to create their own tasks to bring back to their classroom.

Participants will:

- Investigate problems directly aligned with the Eight Standards of Mathematical Practice.
- Think, wrestle with, and solve BIG problems whose solutions can be communicated by way of multiple representations and various problem-solving strategies.
- Investigate student work and responses to specific problems and analyze error patterns and misused strategies.
- Discover and create templates and graphic organizers that can be used in the solution of standards-based problems.
- Experience how the strategy of cubing can be used to bring inquiry and higher level reasoning to the classroom.
- Discover how learning contracts and offering choice activities can empower students to own their own learning.
- Build a repertoire of activities and problems to help all students get excited about mathematics!

Note: Part One of this workshop will focus on other DI strategies including open questions, parallel tasks and tiered learning activities. Participants may sign up for Part One (October 27, 2017) , Part Two, or both!

Marcie Abramson's passion for teaching mathematics is contagious and has made her an increasingly sought-after consultant and presenter. With over 25 years of teaching middle school mathematics, Marcie continues to be a clinical professor at Brandeis University, teaching Elementary School Curriculum and Teaching Mathematics as well as being an adjunct faculty member at Lesley University, where she teaches and coaches teachers. She also taught at Boston University's Upward Bound program for 15 summers and continues as a consultant for TEACHERS21.

[MSAA Registration Policies & Procedures](#)

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Massachusetts School Administrators' Association ~ 33 Forge Parkway, Franklin, MA 02038

Workshop Contact: Linda Taylor | Phone: (508) 541-9832 | E-mail: taylor@msaa.org