



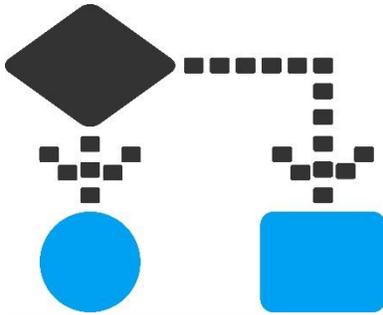
MASSACHUSETTS SCHOOL
ADMINISTRATORS' ASSOCIATION



An MSAA Professional Development Workshop for: Elementary Classroom Teachers, Special Education Teachers, Mathematics Coaches, Curriculum Coordinators, and Administrators

What Do You Know About Algorithms?

Past Successes, Present Findings, Future Implications



Featuring **TEACHERS21** Presenter:
Chris Moynihan

Wednesday, October 24, 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

“Standard” algorithms brought computational success in the past, yet present reliance on them can lead to the obscuring of place value and number relationships. Examination and exploration of “alternative algorithms” – ways to add, subtract, multiply, and divide that differ from the U.S. historically-taught ways can lead to a future where students understand the elegance and interconnectedness of numbers and operations.

This workshop will provide an opportunity for participants to:

- Understand how and why present U.S. historically-taught algorithms can obscure number relationships and place value concepts.
- Learn how and why alternative algorithms are critical for future conceptual understanding of numbers and operations.
- Increase their comfort level in using, understanding and valuing alternative algorithms.

Chris Moynihan is currently an educational consultant, working with both public school districts and independent schools to assist them as they continue to improve the quality of education for students. Chris has previously filled a variety of roles in public education, including elementary school principal, mathematics curriculum specialist, and classroom teacher at five different grade levels. Her book, *Math Sense: The Look, Sound, and Feel of Effective Math Instruction* (Stenhouse Publishers 2012) continues to be used as a resource by elementary teachers and her most recent publication, *Common Core Sense: Tapping the Power of the Mathematical Practices* is being used as a core resource for teachers. Chris holds a Ph.D. in curriculum and instruction from Boston College with a specialization in mathematics education and presents at the local, state, and national levels, working to share her expertise and ever-growing passion for learning.

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

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