



MASSACHUSETTS SCHOOL
ADMINISTRATORS' ASSOCIATION



An MSAA Professional Development Workshop for: Science Teachers, Science Department Heads, Team Leaders, Curriculum Coordinators, and Special Educators

Learning Biology Can Be Fun: *Strategies to Enhance Success for Your Students*



Featuring **TEACHERS21** Presenter:
Pauline Allaire-Adams

Tuesday, October 23, 2018
at the MSAA Office, Franklin

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

PD Hours: 6
Content Area: *Science and
Technology/Engineering*

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

MSAA Contact: pd@msaa.net

Many students find their first biology course to be daunting, and even more so when the learning experience is tied to the Biology MCAS. Biology is vocabulary intensive, with many new concepts students must understand and integrate. This workshop will explore a variety of activities that make the essential concepts come alive for students and help them understand their interrelationships. Through active engagement, students will retain more information and excel when their knowledge is tested. Participants will examine the 2016 Science and Technology/Engineering (STE) Standards to help them become more confident in their implementation.

Attendees are required to bring laptops or tablets to develop classroom-ready lessons which will be uploaded to an electronic platform accessible to all participants.

Participants will:

- Compare and contrast NGSS, 2001/06 STE Standards and 2016 new STE Standards.
- Explore how students can learn the “practices” with activities currently used by teachers.
- Examine strategies to enhance vocabulary development and concept comprehension.
- Collaborate with colleagues to develop differentiated content-specific biology activities.

Pauline Allaire-Adams has been a science educator, science department chair, district-wide curriculum facilitator, program developer and professional development coordinator. She served on the MADOE Assessment Development Committee for the Biology MCAS. Pauline’s deep knowledge of science and the science curricula at all grade levels is transmitted to teachers through practical, hands-on experiences that can be translated into classroom teaching and learning. Pauline integrates her knowledge of the MA Curriculum Frameworks and MCAS into her workshops and courses to support teachers as they deepen and expand their science knowledge and repertoire of instructional strategies.

Register online at www.msaa.net

LEADERSHIP MATTERS



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