

Museum Institute for Teaching Science (MITS)
1354 Hancock St., Ste. 302
Quincy, MA 02169

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Providing inquiry-based, hands-on science, engineering, technology and math (STEM) professional development for K-12 teachers and informal educators.

Museum Institute for Teaching Science



Customized Professional Learning Services

Professional Development designed to meet the needs of your school:

- Science and Engineering Practices
- STEM Content
- MA Science and Technology/Engineering Standards
- Interdisciplinary Approaches
- Inquiry-Based Instruction



Providing quality professional development for over 30 years.

MITS Customized Professional Learning Services

Customized Professional Learning Services connects experienced science education specialists with schools/school districts who have professional development and curriculum development needs. MITS works with individual schools, school departments and other educational organizations to design and provide professional development experiences for their teachers to support and improve inquiry-based STEM education.



STEM education specialists assist teachers and school systems in developing their best science education practices. Consultants are highly credentialed and experienced in inquiry-based, minds-on, hands-on science in the K-12 classroom or laboratory. In addition, MITS specialists are well versed in the Massachusetts Science and Technology/Engineering Standards and the Next Generation Science Standards. They are ready to assist school systems in meeting these standards. MITS staff are also available to work alongside teachers in the classroom to model and assist with incorporating inquiry and the science practices into the classroom.



"...tremendous hands-on experiences plus the additional bonus of sharing thinking with colleagues."

"I like that we have time to develop and collaborate."

"Informative and enjoyable. Thank you!"

"...time to collaborate with other teachers is invaluable."

"Please keep coming and running PDs. The use of different lessons is very helpful. We need more PDs like this."

"The MITS PD was an excellent workshop. Please try to have MITS come back for more professional development."



MITS' Customized Professional Learning Services can provide:

Customized Professional Development for Teachers, Science Lead Teachers, and Supervisors

MITS collaborates with school and/or district representatives to design professional development that addresses local needs and interests. These offerings may be customized with respect to grade level, focus, scope and frequency of meetings. MITS' staff can structure programs to fit the district's professional development schedule in order to enable full staff participation. In particular, professional development offerings may be designed to support science educators as they transition to the newly revised Massachusetts Science and Technology/Engineering Standards.

Customized Curriculum Development and Implementation

MITS works with school and/or district representatives to create science and technology/engineering curriculum units that address local needs. The scope of the curriculum development project may range from a particular grade level and one or more Framework Strands to multiple grade spans and Framework Strands. Curriculum development projects will include a professional development component as well as implementation resources and support.

MITS – Designed Workshops

MITS' staff members and collaborating partners have developed programs to address common areas of interest in K – 12 schools. These include: Inquiry-based Science, Science & Literacy Connections, Bringing Science and Engineering Practices into the Classroom, and Making Interdisciplinary Connections.



For more information or to arrange a customized program for your school(s), contact Sandra Ryack-Bell, Executive Director, at 617-328-1515 or mits@mits.org.

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