

*Explore, Discover, Investigate and Learn with MITS!
Inquiry-Based STEM Learning For You and Your Students.*



Museum Institute for Teaching Science

2016 Summer Professional Development Institutes for
Grades 3-8 and Middle and High School Educators

Using Science and Engineering Design Practices to Engage Your Students in Inquiry-Based Learning

One-Week Institutes: July 11-15 or July 18-22

Hybrid Institutes run June 18-August 5



Dive into inquiry-based, minds-on, hands-on science with museum professionals, scientists and fellow educators. Develop skills to bring back to your classroom and have fun while learning!

*Institutes Offered in 5 Regions
Across Massachusetts*

Using Science and Engineering Design Practices to Engage Your Students in Inquiry-Based Learning

Join us this summer for an exciting professional development opportunity! Participate in content and skill development sessions taught by professional educators and scientists at each collaborating institution. Daily activities include indoor inquiry-based classroom experiences, visits to research laboratories and STEM industries, and outdoor field experiences. Take home investigations you can use in your classroom and a collection of teaching resources and field trip ideas!

Two Different Models to Choose From:

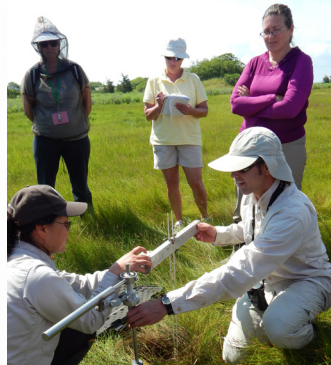
One-Week Institutes for Grades 3-8 or Middle and High School Educators

Visit each partner institution and participate in minds-on, hands-on inquiry investigations. Learn from scientists, engineers, content specialists and professional educators about specific science content and pedagogy applicable in your classroom. Gain firsthand experience with the field trip and classroom resources available from museums, nature centers, research labs, field sites and STEM industries.

Hybrid Institutes for Grades 3-8 Educators

Includes a one-week, on-site session plus 16 hours of on-line instruction.

- **Learn** how to present the Science and Engineering Practices to your students and how they relate to science inquiry.
- **Explore** STEM resources in your community.
- **Get ready** to meet the forthcoming revised MA Science and Technology/Engineering Standards.
- **Become** part of a network of teachers from your region and across the state.



For detailed descriptions of each region and for regional brochures, visit www.mits.org or email MITS at mits@mits.org.

For more information contact:

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Museum Institute for Teaching Science (MITS)
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bwilkinson@mits.org
or
visit www.mits.org

North Shore Region

One-Week Institute for Middle and High School Educators

Research and Resiliency: Exploring the Ways Local Ecosystems are Responding to Global Change

Collaborators: Mass Audubon's Endicott Wildlife Sanctuary, Plum Island Ecosystems LTER, Ipswich River Watershed Association, Ipswich High School, Boston University

Dates: July 11-15; June 18 On-Site Introductory Session; Fall Callback November 5

Cape Cod Region

One-Week Institute for Grades 3-8 Educators

Movers and Shakers: Exploring Earth Science and Curriculum Frameworks in the Coastal and Marine Environment

Partners: National Marine Life Center, Massachusetts Maritime Academy, Woods Hole Oceanographic Institute, Thornton Burgess Society, Mass Audubon's Long Pasture Wildlife Sanctuary

Dates: July 11-15; June 18 On-Site Introductory Session; Fall Callback November 5

Housing is available for this region.

Metro-South Region

One-Week Institute for Grades 3-8 Educators

Feathers, Rocks, Flights, Wildlife and Shocks: The Importance of Human Connections With Nature

Partners: Mass Audubon's Blue Hills Trailside Museum, Blue Hill Observatory and Science Center, Weston Observatory

Dates: July 11-15; June 18 On-Site Introductory Session; Fall Callback November 12

Merrimack Region

Hybrid Institute for Grades 3-8 Educators

Rivers, Renewables and Revolutions: How Science Understanding Informs Innovations in Engineering

Partners: Mass Audubon's Drumlin Farm Wildlife Sanctuary, Tsongas Industrial History Center, Lowell National Historical Park

Dates: On-Site July 18-22; On-Line June 18-August 5; June 11 On-Site Introductory Session; Fall Callback November 12

Southeast Region

Hybrid Institute for Grades 3-8 Educators

To the Moon and Back: Engaging Your Students in Earth and Space Science Through Inquiry

Partners: Lloyd Center for the Environment, Battleship Cove, Bristol Community College

Dates: On-Site July 18-22; On-Line June 18-August 5; June 11 On-Site Introductory Session; Fall Callback November 5

Registration Information

Cost: \$350 per One-Week Institute; \$400 per Hybrid Institute
A \$25 discount is available for teacher teams of 2+ educators from the same school district.

Optional graduate credit is available from Cambridge College or Framingham State University. One-Week Institutes offer 40 PDPs, or 67.5 PDPs with graduate credit. Hybrid Institutes offer 50 PDPs, or 90 PDPs with graduate credit.

Participants will not be considered registered until MITS has received full registration payment or a Purchase Order. A \$75 fee will be deducted from refunds requested by June 1, 2016. No refunds will be given after June 1, 2016.

To Register: visit www.mits.org for online registration