

Wade Institute for Science Education (formerly MITS, Inc.)

1354 Hancock St., Ste. 302

Quincy, MA 02169

www.wadeinstitutema.org

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LIGHTING THE WAY WITH WIND AND SOLAR: PATHWAYS TO A SUSTAINABLE ENERGY FUTURE

A Professional Learning Experience for Middle and High School Educators

Friday and Saturday, March 22nd & 23rd, 2019

- **Engage in inquiry-based, hands-on, minds-on learning** about energy sources, climate change, and sustainable systems
- **Engineer your own solutions** to energy needs with solar and wind technologies
- **Adapt your curriculum** to meet MA Science and Engineering/Technology Standards
- **Acquire tools** to inspire passion for science in your students
- **Gain confidence** in understanding and teaching climate change science
- **Take a kit back to school** with ready-to-use equipment for your classroom



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Connect with scientists and educators from the Wade Institute for Science Education and Mass Audubon, gain an understanding of the power of inquiry-based learning to inspire a passion for science in students, and come away *energized!*

Hands-on, Minds-on Learning:

During this two-day professional development workshop, experiment with renewable energy technologies to understand how they can be used to produce sustainable electricity and reduce human impacts on the climate. Engage in hands-on, minds-on activities as you build a solar-powered fountain, design the best blades to catch the wind, and compete to fill an electrical grid with the most effective energy sources. Discover first-hand how wind turbines and solar panels generate power, and why communities are relying increasingly on these systems to meet their energy needs.



Practical Tools to Meet MA Standards:

Lighting the Way with Wind and Solar will integrate science content with the Science and Engineering Practices. Find out more about how energy, climate change, and sustainable solutions connect to the 2016 MA Science and Technology/Engineering standards. Walk away with inquiry-based activities and a kit of equipment you can use to get started with your own students.



Dates: Friday and Saturday, March 22nd & 23rd, 2019

Time: 8:30 am – 3:30 pm

Location: Mass Audubon's Joppa Flats Education Center
(1 Plum Island Turnpike, Newburyport, MA 01950)

Fee: \$145 (includes lunch both days and kit of materials)

13 PDPs are available for this workshop.

Registration Deadline: Friday, March 15th, 2019

To register, visit www.wadeinstitutema.org. For more information, contact:

Linda McIntosh, Director of Education, Wade Institute for Science Education

1354 Hancock St., Ste. 302, Quincy, MA 02169, 617-328-1515, lmcintosh@wadeinstitutema.org