

Wade Institute for Science Education

1354 Hancock St., Ste. 302

Quincy, MA 02169

www.wadeinstitutema.org

Learn About Climate Change From Scientists and Experts In Their Field!

Investigating Climate Change: Exploring Resources and Data for the Classroom



**A 2-Day Focus Workshop
for Middle and High School Educators**

**Friday, December 2nd and
Saturday, December 3rd, 2022**





Investigating Climate Change: Exploring Resources and Data for the Classroom

A 2-Day Focus Workshop for Grades 6-12 Educators

Join the Wade Institute for Science Education to learn about
climate change directly from scientists and experts!

Explore how you can prepare your students to engage with climate change data and deepen their understanding of the key principles of climate change. You will investigate climate change phenomena, work with scientists, and take part in inquiry-based learning experiences. Instructors from the Wade Institute and our collaborating partner, Salem Sound Coastwatch will immerse you in experiments and investigations to collect and interpret data, demonstrate climate systems, and investigate locally relevant phenomena. Work with teaching resources including Data Nuggets, En-Roads, CLEAN Net, and the GLOBE Program. Northeastern University Professor Brian Helmuth will highlight the importance of local environmental data and solutions inland and on the coastline from both human and non-human perspectives. He will share information about ocean temperature data collection using robomussels and guide participants in using a storymap of urban heat island data. Then gain a deeper understanding of the climate system with UMASS Boston Professor Bob Chen, linking it to the carbon and water cycles and the flow of energy in Earth systems. Participate in a systems thinking activity that you can use with your students. You'll leave the workshop with tools and resources for integrating climate change into your instruction and the confidence to engage your students in data collection and analysis, systems thinking, and problem solving around challenging and dynamic topics of climate change.



If you opt to take this workshop for graduate credit, additional homework and a final project are required, to be due before December 16th.

Registration Information

Dates: Friday, December 2nd and Saturday, December 3rd, 2022 (8:30 AM - 3:30 PM ET)

Location: Salem Sound Coastwatch in Salem, MA.

Cost: \$165 per participant; \$150 per participant for 3 or more teachers from the same school attending as a team.

PDPs and Graduate Credit: 13 PDPs available without graduate credit. 22.5 PDPs and 1 graduate science credit from Cambridge College available for an additional \$75.

Collaborating Partner: Salem Sound Coastwatch

Partially funded by Cell Signaling Technology and the Vanderbilt Family Foundation.

Visit www.wadeinstitutema.org to learn more and register for this course!