

Now You Sea It, Now You Don't: Investigating Our Disappearing Sea Ice

Presented By:

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When: April 27, 2019 (9:00 A.M. – 3:30 P.M.)

Where: Penn State University

Arctic sea ice and weather patterns are very sensitive to global climate change due to convection and energy transport toward the poles. Researchers are collecting and analyzing data from the National Oceanographic and Atmospheric Administration (NOAA) to examine the effects of heat transfer across all areas of the earth to better understand changes to Arctic and Antarctic sea ice. These data are publicly available and can be used as an excellent way to teach basic science principles, including weather patterns, heat transfer, ecosystems, environmental cycles, as well as principles of computer science. Teachers will learn how energy transfer effects Arctic and Antarctic sea ice levels, how researchers work to better understand and mitigate this problem, and how this problem can be used as a tool for teaching content-area material. All teachers are welcome, but content will be most applicable to Physics, Earth Science, Environmental Science, Physical Science, and Computer Science teachers.

Target Audience: Teachers of students grades 6-12

This workshop is FREE to all educators with ACT 48 (6 hours) provided free of charge.

Teachers will be provided with continental breakfast and free lunch.

This workshop is aligned to the PA Science and Technology Standards, PA Math Standards, and Next Generation Science Standards.

Maximum enrollment is 24. [Apply online](#) today to attend.

For more information, visit csats.psu.edu or contact Taylor Wood at tswood@psu.edu or 814-865-1181.

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