



EDUCATION

Local Science Teacher Goes to Arctic for Research Program

BY [NIKI GRISWOLD](#) | AUSTIN
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AUSTIN, Texas – Climate change is one of the key topics David Walker teaches in his science classes at the Liberal Arts and Science Academy in Austin.

- David Walker teaches climate change
- Heading to the Arctic on Monday

science, so they can be effective ambassadors for their generation going forward.”

On Monday, he's heading to the Arctic. He's one of 12 teachers nationwide to be selected to participate in a two-year research program called PolarTREC, funded by the National Science Foundation.

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“We're only beginning to effectively interpret how thawing permafrost is releasing CO₂, that's what the research I'm going to be working with is investigating,” Walker said, “And it's only when we effectively do that will we be able to generate good climate models that correctly interpret the future of climate change on our planet.”

Permafrost is frozen soil, and when it melts, the organic material it's made up of releases carbon dioxide into the atmosphere, contributing to climate change. He plans on sharing his research on the impact of melting permafrost on global warming by developing lesson materials for teachers everywhere to use in their classrooms.

“The more people that in America and in the world have good solid science based research based knowledge regarding climate science, that's really gonna be the ticket to helping the planet out in the future,” Walker said.

His students say that Walker's passion for science is contagious.

“I don't think there's anybody who really cares about it more than he does,” James Miller, a high school junior and one of Walker's students said.

Another student of Walker's, Eli Taub, added, “Somehow you come away from a class feeling like you learned more than any other class that day, but you also had more fun than any other class that day too.”

Sarah Chieng graduated this year and was a student of Walker's for three years.

“I just think it's so cool how much he focuses on making sure we understand the relevance of what we're learning past just the textbook,” she said.

Walker's passion for climate change science is inspiring the next generation to take action.

“It wasn't just science we were learning about but what we have to do and kind of how it's our duty,” Sam Whitlow, a junior and student of Walker's said. “And it really kind of inspired me to work towards that or even learn more about it, because just becoming aware of stuff like that is the first step for sure.”

To keep up with Walker's research while he's in the arctic, you can visit his [blog](#), or look out for his updates on Twitter and Instagram (@mrwalkerlasa).