

How to Make Arctic Science Even Cooler and Other Lessons Learned from MOSAiC Expedition Outreach

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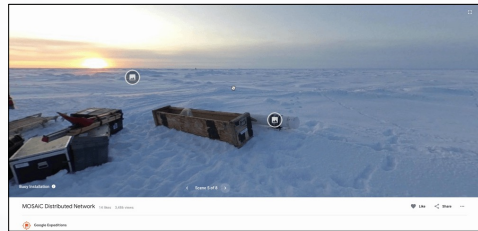


The 2019-2020 MOSAiC (Multidisciplinary Drifting Observatory for the Study of Arctic Climate) research expedition, one of the most extensive multinational Arctic expeditions ever conducted, is a testament to what can be achieved and overcome through teamwork, creative problem solving, perseverance, and curiosity.

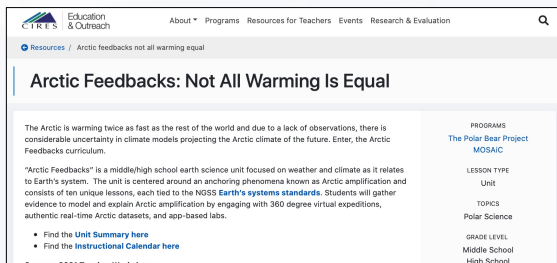
It is important to integrate these key characteristics of science and scientists into classroom learning experiences. In our yearlong MOSAiC education and outreach efforts, we tried to bring the authentic nature of science to life for people of all ages. Here we share three of the main lessons we learned through our collaborative outreach efforts.

Lesson 1: Expeditions like MOSAiC can be compelling hooks for engaging students in science learning, especially with authentic connections to people and places.

Virtual Reality experiences

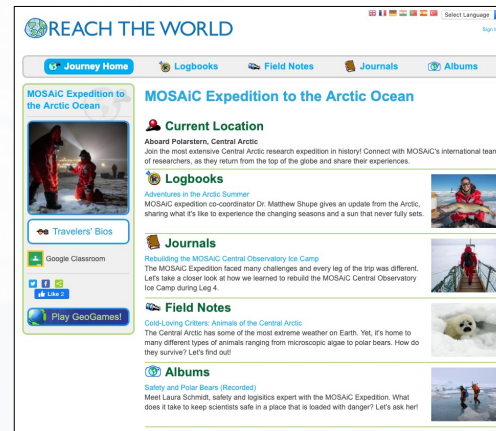


Classroom curricula



Lesson 2: The nature and process of science is about more than the scientists and successes. This is important to teach in the classroom.

Direct connections to MOSAiC team members

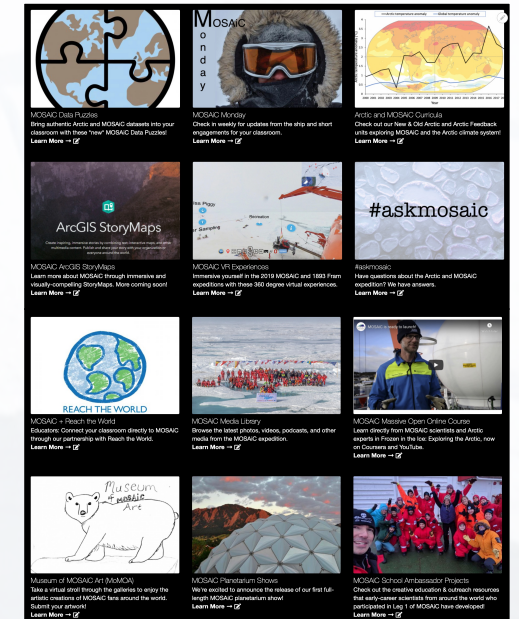


Insight into life on board the ship



Lesson 3: Variety is the spice of life for both science students and scientists.

Multiple modalities for outreach and learning → Greater accessibility and more engagement



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