



Engaging the K-12 community in Adélie Penguins and climate change research using the internet to provide a virtual field trip to Cape Royds, Antarctica.

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Abstract: Engaging students beyond the text book and standardized classroom science experiences, our education outreach project provides an opportunity to follow along as researchers in Antarctica track the lives of breeding Adélie Penguins at Cape Royds, Ross Island, Antarctica. Our team provides a virtual field experience for teachers and classrooms around the world, engaging students in the exciting world of scientific research while enhancing awareness of Antarctica's role in the Earth's climate system.

Engage

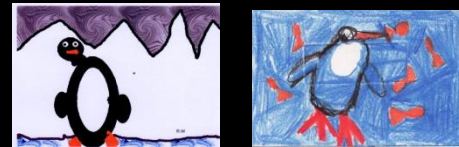
Explore

Explain

Evaluate

Students receive a postcard from the bottom of the world.

Students design a penguin postcard, self address it, stamp it and the teachers send them to us in Antarctica. We mail them back with the Antarctic Postmark, thus engaging students in geography, polar science and climate change through art.



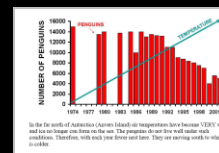
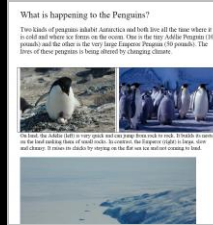
Daily pictures on the internet follow Adélie Penguins as they raise their chicks.



Classroom visitations occur via satellite phone.



Scientific research is translated for the K-12 classroom.



Classroom ready PPTs teach about climate change.

Research papers from scientific journals are rewritten at the 7th grade level.

Data from research is simplified for general understanding.

Data from our website indicates high usage during school months.

