

Join Polar Scientists in a Research Expedition to Antarctica, Palmer Station

We are recruiting 12-18 educators and their students to join the Long-term Ecological Research Program (LTER) in their 2023 field season in Antarctica. Students will learn about Antarctic food web ecology and how scientists are using long-term experiments to understand our changing climate. Classes will engage in classroom learning, follow scientists using social media, and participate in a Video Teleconference call (VTC) to Antarctica! The project supports the NGSS science practices such as planning and carrying out investigations, data analysis, modeling and asking testable questions.



Requirements for participation:

1. **Professional Development:** Educator will attend a research team meeting with scientists and educators at Rutgers University via Zoom. December 7, 2022, 4 pm-5 pm ET
2. **Implement Classroom Lessons:** Educator will implement lesson plans to help prepare the students. Educator chooses one of three options a) Data to the Rescue: Penguins Need our Help! b) ID Antarctica; or c) Data Nugget When Whale I see you again?
3. **Video Teleconference Calls (VTCs):** Educator will participate in a test video call prior to their scheduled 30-minute call to Palmer Station.
4. Students will submit 10 questions for the VTC with scientists. Questions are due 48 hours in advance of the call.
5. Youth will be asked to fill out pre and post surveys to help us measure the impact of the program.

How to Apply:

Complete this online application by **November 21, 2022**

<https://tinyurl.com/c46j37y6>

Educators will be notified by December 2, 2022, of their acceptance into the program.



Tentative Call Dates

one call /school 12: 00 pm EST/9:00 am PST

January 26, 2023

Sea Birds: Learn about the penguin populations at Palmer Station and how their numbers are changing because of climate change.

February 2, 2022

Sea Birds: Learn about the penguin populations at Palmer Station and how their numbers are changing because of climate change.

February 7, 2023

Marine Mammals Tagging and Tracking: Learn about how scientists are using tracking and tagging technology to understand the whale population in Antarctica.

February 21, 2023

Marine Mammals Tagging and Tracking: Learn about how scientists are using tracking and tagging technology to understand the whale population in Antarctica.

February 23, 2023

Long-term Ecological Research: Learn how scientists are using long-term measurements to understand the Antarctic system and how they sample and identify marine organisms.

March 7, 2023

Long-term Ecological Research: Learn how scientists are using long-term measurements to understand the Antarctic system and how they sample and identify marine organisms.

