

Video Teleconferences with Polar Scientists in Antarctica, Palmer Station

K-12 students are invited to attend a 30-minute scientific discussion with a polar scientist. Students will learn about Antarctic food web ecology and how scientists are setting up long-term experiments to understand our changing climate. These calls support the NGSS science practices such as planning and carrying out investigations, data analysis, modeling and asking testable questions.



Requirements for participation:

- Educator will implement a relevant lesson plan to help prepare the students. *Rutgers University will provide lesson suggestions.*
- Educator will participate in a test video call prior to a scheduled call.
- Students will submit 10 questions for the VTC with scientists. Questions are due 48 hours in advance of the call.

How to Apply:

Complete this online application by **December 1, 2017:**

<https://tinyurl.com/vtc-palmer>

Schools will be notified in early January 2018 of their acceptance into the program.

Mandatory test calls on January 8, 2018 at 4 pm EST/1 pm PST and January 9, 2018 at 7 pm EST/4 pm PST.



Call Dates (one call /school):

All calls are at 1:00 pm EST/10:00 am PST/
2 pm Palmer Station

January 30, 2018

Sea Birds: Learn about the penguin populations at Palmer Station and how their numbers are changing because of climate change. (Grades 3-5).

February 1, 2018

Sea Birds: Learn about the penguin populations at Palmer Station and how their numbers are changing because of climate change. (Grades 6-8).

February 22, 2018

Marine Mammals Tagging and Tracking: Learn about how scientists are using tracking and tagging technology to understand the whale population in Antarctica. (Grades 3-5).

February 27, 2018

Marine Mammals Tagging and Tracking: Learn about how scientists are using tracking and tagging technology to understand the whale population in Antarctica. (Grades 6-8).

March 1, 2018

Microbial Ecology and Biogeochemistry: Learn about how microorganisms at the base of the food web help catalyze transformations in the carbon cycle. (Grades 9-12).

March 6, 2018

Long-term Ecological Research: In this call we will focus on how scientists are using long-term measurements to understand the Antarctic system. (Grades 6-8).

March 14, 2018

Long-term Ecological Research: In this call we will focus on how scientists are using long-term measurements to understand the Antarctic system. (Grades 9-12).

