

# Thwaites Glacier

The International Thwaites Glacier Collaboration



**The International Thwaites Glacier Collaborative (ITGC)** is a large group of scientists using multiple methods and instruments to study this vulnerable section of the West Antarctic Ice Sheet. Watch this video gathering information and then as a class talk using the '**Class Discussion**' AND Note: Talks are ~30 minutes followed by Q&A.



**Title Talk: How to become a polar scientist**

**Scientist Presenter:** Dr. Erin Pettit from Oregon State University & **ITGC Project:** [TARSAN](#)

**Words Count!** Use only 10 words to write down the main theme of this talk:

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**Cool Pathways!** This talk was about polar careers and Dr. Pettit talked about her training & experiences before arriving at polar science work. What career surprised you?

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**Key Take Aways!** List 3 things you gained from this talk:

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**Cool Stuff!** Something you found really interesting:

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**Hands Up!** What questions did this video raise or what do you want to learn more about after watching this video?

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**Who me?** Would you consider working in Polar Sciences as a career? Why or why not?

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**Class Discussion:**

- (1) Start by comparing your responses. List all of the things people learned on the board or a digital share space like a jamboard. As a group discuss if there are certain items that are the MOST important take-aways from the talk?
- (2) Compare what people found cool!
- (3) Who wants to do this type of work?
- (4) Share some of the questions you had. As a class can you answer any of these? If not, you can submit your question to the **ITGC Ask A Scientist** team of experts through December 10<sup>th</sup>, 2021!

**Explore More!** The TARSAN Project is using some really interesting ways to collect information about Thwaites including using seals to dive under the Thwaites Ice Shelf to learn about water temperatures and depth. Explore further ocean temperature '[Ocean Temperatures at 550 meters](#)' and seafloor depths in the '[Look Under the Antarctica Ice Sheet](#)' map in [Thwaites-Explorer.org](#)

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