

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 '***Explore More!***' using Thwaites-Explorer.org
Note: Talks are ~30 minutes followed by Q&A.



Title Talk: Robots in Antarctica

Scientist Presenter: Dr. Britney Schmidt from Cornell University & ***ITGC Project:*** MELT

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

Cool Instruments & Tools! Did the presenter talk about any special instruments(s) they are using in their research? If so describe what it and what is it used for. and check out this cool image of looking down the borehole in [this article](#)

I Learned! List 3 things you learned from this talk:

Cool Stuff! Something you found really interesting:

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

Who me? Would you consider this as your career? What about working in Antarctica? Why or why not?

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 and take a vote to see which one people found the most cool!
- (3) Who wants to do this type of work in Antarctica?
- (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 10th, 2021!

Explore More! Use Our Tool: Thwaites-Explorer.org

Use the map "[Ocean Temperatures at 550 meters](#)" (under ***Why Do we Study Thwaites? -> Why is Thwaites Vulnerable?***)

- (1) Click the (i) button for an information page with suggestions on how to explore the map!
- (2) Interact with the map directly! It is touch sensitive!
