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: Why study the Polar Regions and what lies under the ice?

Scientist Presenter: Professor Rob Bingham from University of Edinburgh from ITGC Project: GHOST Project

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.

____________________________________________________________________

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 “Look Under the Antarctica Ice Sheet” (under Why Do we Study Thwaites? -> 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!