

## Polar-ICE Sci-I Project Summer 2016 Educator Workshop

### Investigation Reflection Discussion (15 min)

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1. Have your students think about and then pair up with a neighbor to discuss the following questions in relation to the live call.
  - What was something that came up during the investigation that surprised you? Why?
  - What was something that came up during presenting your investigation that surprised you? Why?
  - What was something new you learned about the process of science? What does that mean for you when you do science?
  - What was something new you learned about being a scientist? What does that mean for you?
  
2. After a few minutes, have the students share out to the class about what they were discussing with their partners.
  - Listen to their responses and stay neutral in your reaction. The purpose is for the students to be reflective not for them to necessarily accomplish a specific end goal.
  - Ask the students to elaborate on their thinking by providing explanations, evidence, or clarifications. Some probing questions you can use are:
    - i. What makes you think that?
    - ii. What is an example from your experience about that?
    - iii. What do you mean?
  - Invite other students to react and respond to the ideas being shared by providing alternative perspectives, agreements or disagreements. Some probing questions you can use are:
    - i. Can anyone add something to that?
    - ii. Would anyone like to share a different opinion?
  - Reference and cross-reference the students' comments to encourage the students to think about and respond to one another's ideas and their own.

\* Adapted from Lawrence Hall of Science "Reflecting on Practice: Module 1, Session 2" © 2010 Regents of the University of California