

Polar-ICE Science Communication Workshop Series

Ocean Sciences Meeting 2016 – New Orleans, LA

Educator Workshop Agenda – Sunday, February 21st

- 7:30 am Continental Breakfast
- 8:00 am **Welcome**
Introductions
Overview of Workshop Goals
- 9:15 am **Penguin Foraging: Simulation & Graphing**
Explore and discuss a hands-on way to introduce students to the concepts of simulation, modeling, and graphing as we simulate how penguins forage for food.
- 9:55 am **Penguin Foraging: Data Visualizations**
Explore and discuss how to bring authentic data and complex data visualizations to your students through a data activity that interprets penguins' habitat usage satellite data.
- 10:35 am Break
- 10:45 am **Analyzing Where Adélie Penguins Eat**
Dive into the process of science through the collaborative research project that is investigating the impacts of physical oceanography on food web dynamics through adaptive sampling techniques.
- 11:45 am Catered Lunch
- 12:45 pm **Plankton to Penguins: Modeling**
Explore and discuss a way to elevate a food web activity to teach about the process of modeling in science by exploring the potential impacts of climate change on the Antarctic food web.
- 1:30 pm **Pulling it All Together**
Engage in a discussion around effective practices for exposing our students to the true process of science and moving out of the linear "scientific method" approach to science.
- 2:00 pm **How to Share Your Expertise with Scientists**
Engage in a discussion about our skills as translators of science for novices and how we can utilize those skills in assisting scientists to better hone their science communication skills.
- 2:30 pm Break
- 2:45 pm **Applying Your New Skills**
Work in small groups with scientists and discuss how they can more effectively convey their research to their desired audience.
- 4:00 pm **Reflection and Evaluation of Workshop**
- 4:30 pm **End for the Day**



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