Research in Action Podcast Instructor Guide

Use the following episode description, learning objectives, guiding questions and activity suggestions to more easily include “Research in Action” podcast episodes as a supplemental resource for your course.

Oregon State University

Podcast and Episode Information

"Research in Action" is a weekly podcast about topics and issues related to research in higher education featuring experts across a range of disciplines.

On this episode, the guest is Dr. Laurie Juranek, an Assistant Professor in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University. Dr. Juranek studies what the chemistry of seawater tells us about life and death in the ocean. Her research takes her from the warm, aquamarine waters off of Hawaii to the ice-covered Arctic Ocean. When not doing science, she enjoys vegetable gardening, cooking, and weightlifting.

Segment One [00:00-10:09] - In this segment, Laurie describes the research questions she explores in her study of life and death in the ocean.

Segment Two [10:10-22:17] - In this segment, Laurie shares some of the logistics of her research in the arctic.

Segment Three [22:18-33:25] - In this segment, Laurie discusses some of the ways she frames the broader impacts of her research, particularly for grant applications.

Show notes and a transcript for this episode can be found at: http://ecampus.oregonstate.edu/research/podcast/e48/

Learning Outcomes

By listening to this episode, students will be able to:

- Describe an example of the type of data collected during research in the Arctic
- Define primary production
- Discuss potential logistical challenges in conducting research in the Arctic
- Provide an example of a broader impact associated with research in the Arctic
- Explain the importance of communication skills in scientific research

Guiding Questions for Listening

- What are some examples of the types of data Dr. Juranek collects?
- According to Dr. Juranek, how are these data samples collected?
- What is primary production?
- How is Dr. Juranek's research connected to ocean wildlife?
- What led Dr. Juranek to pursue research in the Arctic?
- What appear to be some of the logistical challenges in conducting research in the Arctic?
- What does Dr. Juranek explain is a cost-effective way research can be conducted in the Arctic?
- What might be some of the limitations of conducting research in the Arctic?
- According to Dr. Juranek, how much time is generally spent pursuing grant funding for this type of research?
- According to Dr. Juranek, what are some of the broader impacts of conducting research in the Arctic?

- What does Dr. Juranek explain about the importance of communication skills in scientific research?

Possible Activities

- Ask students to visit the show notes for this episode (http://ecampus.oregonstate.edu/research/podcast/e48/) and look at an additional resource that is linked in connection with this episode. Students can write a short review of that resource to share with their peers.

- Ask students to visit the show notes for this episode (http://ecampus.oregonstate.edu/research/podcast/e48/) and post an additional resource connected to the content of the episode in the comments section.

- Have students share questions that are raised for them based on the content of this episode. What would they ask Dr. Laurie Juranek if they could?

Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2017, February 27). *Dr. Laurie Juranek on Research in the Arctic.* [Audio podcast]. Retrieved from http://ecampus.oregonstate.edu/research/podcast/e48/

Notes

About the Research in Action Podcast

"Research in Action" (RIA) is a podcast about topics and issues related to research in higher education featuring experts across a range of disciplines. Episodes are posted weekly and include guest interviews and occasional solo episodes. Guests are from a range of higher education institutions and share their expertise on qualitative, quantitative and mixed methods as well as their personal experiences as researchers, research and writing practices, organizational and productivity strategies, and much more. Some weeks, bonus content will also be posted.

"Research in Action" is hosted by Dr. Katie Linder, research director for Oregon State University Ecampus.

Visit the podcast website to view show notes and transcripts for each episode, explore our episode guide, learn more about how to contact us, or suggest a future guest or topic.

You may subscribe to the "Research in Action" RSS feed or access the podcast via iTunes, Soundcloud or Stitcher. "Research in Action" is also listed on MERLOT.

The "Research in Action" podcast is a resource funded by Oregon State University Ecampus – ranked top ten in the nation for online education two years running by U.S. News & World Report. OSU Ecampus has more than 45 degree programs and more than 1,000 classes online.

Contact

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