“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 of the podcast, the guest is Deborah Loewenberg Ball is the William H. Payne Collegiate Professor of education at the University of Michigan, an Arthur F. Thurnau Professor, and the director of TeachingWorks. She taught elementary school for more than 15 years, and continues to teach mathematics to elementary students every summer. Ball studies the practice of teaching, seeking to identify how its power can be leveraged to disrupt racism, marginalization, and inequity. Much of her research focuses on elementary mathematics as a critical context for understanding teaching practice, examining the endemic challenges of working across difference, and the relational, communicative, and content-understanding entailments of that work. Her current work centers on ways to improve the quality of beginning teaching, particularly for children of color and low-income children.

Ball has authored or co-authored more than 150 publications and has lectured and made numerous major presentations around the world. She serves on the National Science Board and the Mathematical Sciences Research Institute Board of Trustees and is president of the American Educational Research Association. Ball has been elected to the American Academy of Arts and Sciences and the National Academy of Education, and is a fellow of the American Mathematical Society and the American Educational Research Association.

Segment One [00:00-18:15] - In this segment, Deborah shares about what she has learned about math education research after decades in the field.

Segment Two [18:16-33:54] - In this segment, Deborah shares about her organization TeachingWorks.

Bonus Clip [00:00-05:10]: The Research Problem that Keeps Deborah Up at Night

Show notes and a transcript for this episode can be found at: http://ecampus.oregonstate.edu/research/podcast/e104/

Learning Outcomes

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

- Discuss the importance of accessibility within math education
- Describe the purpose of TeachingWorks
- Discuss some of the challenges associated with teacher education

Guiding Questions for Listening

- What does Dr. Loewenberg Ball explain led her to focus primarily on math education?
- What does Dr. Loewenberg Ball explain she learned from taking math courses that helped her better understand her students' needs?
- What does Dr. Loewenberg Ball share she has observed over the years regarding the research surrounding math education?
- According to Dr. Loewenberg Ball, how might biases within math education textbooks affect students?
- What is TeachingWorks?
- According to Dr. Loewenberg Ball, how can simulations as a form of practice be helpful to new teachers?
- What does Dr. Loewenberg Ball explain have been some of the challenges within teacher education?
- What does Dr. Loewenberg Ball explain is significant about the connection between school districts and the beginning teaching force?
- What does Dr. Loewenberg Ball share she has observed over the years about the impact of a teacher's role on society? (See also, Bonus Clip)

Possible Activities

- Ask students to visit the show notes for this episode (http://ecampus.oregonstate.edu/research/podcast/e104/) 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/e104/) 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. Loewenberg Ball if they could?

Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2018, March 26). *Dr. Deborah Loewenberg Ball on Effective Teacher Education* [Audio podcast]. Retrieved from http://ecampus.oregonstate.edu/research/podcast/e104/

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

Katie Linder, Ph.D.
Director of Research
Oregon State Ecampus
541-737-4629
kathryn.linder@oregonstate.edu

Creative Commons License

This work is licensed under a Creative Commons Attribution-NonCommercial 4.0 International License.