

RESEARCH TALK FRIDAY

Vol.5



Dr. Noemi Waight



Affirming Science Learning Experiences of Minoritized High School Students: Tenets of Robust Classroom-based Research

Stay connected. Think critically. Engage meaningfully.

Feb 5 @ 4-5:30pm Zoom

Learn And Inspire

Bio: Noemi Waight is an Associate Professor of Science education. She serves as an Executive Board Member for NARST, a Global Organization for Improving Science Education through Research. Dr. Waight's research examines the design, development, implementation, adoption, and enactment of technological tools (e.g., computer-based models, bioinformatics tools, databases) in the context of central, reform-based, K-12 science teaching approaches. Two complimentary perspectives guide this research: First, she examines the enactment of technological tools by documenting the full cycle from design and development to actual implementation in science classrooms. Second, to fully understand the implications of the above cycle, her research seeks to elucidate the theoretical underpinnings of the Nature of Technology (NoT) as it pertains to K-12 science education, and empirically examine the factors, conditions, and agencies that impact and mediate enactment of technology in science education. In addition, Dr. Waight's work has evolved to examine the role of school leadership and STEM implementation and the role of computer science to facilitate scientific understanding. In addition to her research projects in the US context, Dr. Waight also engages in collaborative research with colleagues in Belize and Japan. Dr. Waight's research has been published in the top science education journals.