NC STATE

College of Education

Science Education Doctoral Students 2018/2019



Brandy L. Bowling Academic interests include pedagogical content knowledge of community college science instructors and professional development of post-secondary science faculty.



Mwenda O. Kudumu Mwenda is interested in popularizing science and technology in Black communities through increased involvement with informal science education institutions.



Lynn Chesnut

My research interests are in barriers to the understanding of the nature of science.



Katlyn May

I am interested in understanding and improving environmental health literacy among various groups of learners.



Megan Ennes

Megan's area of research includes informal science education, science capital and habitus, and youth science interest and career aspirations.



Shana Lee McAlexander

I am investigating the role and impact of community organizations (industry, government, and university) on STEM career pipelines.





Kayla Norville



Shannan George

Shannan's research interests include science education in informal settings. Her current research focuses how citizen science projects influence both citizens and scientists.

My current research involves exploring the characteristics of pre-service science teachers PCK. Other research interests include citizen science and social network analysis.



Katie Green

My research interests center around how culture affects science teaching and learning, specifically regarding evolution.



Michelle Nugent

Explores the persistence factors associated with success in university STEM majors, particularly focusing on underrepresented students and biology education.



Teri Hoffman Focuses on exploring and comparing

event-driven changes in teacher self-efficacy in novice teachers from differing licensure routes and the impact of these changes on their teaching.



Megan Polzin

Research interests include alternative conceptions related to cancer among high school and college students, informal education, and game-based learning.



Dorothy Holley

A science teacher, strong supporter of NC public schools and teacher perspectives. Research interests focus on classroom experiences.



Arif Rachmatullah

My topics of interest are K-16 students' cognitive process when learning science, scientific modeling, and philosophy of science and scientific thinking.



Pamela Huff

Research interests center around science programs within private schools in NC. I am interested in the science achievement of students who receive an opportunity scholarship from the state.



Emma Refvem

Emma's research interests include teacher professional development, science capital & habitus, and classroom technology integration.





Vance Kite

Research Interest: Integrating computer science concepts into science curriculum through computational thinking practices.



Kathryn Rende

Kathryn is a former museum educator and environmental journalist. Her research interests lie at the intersection of science education and communication.