***Opportunities for Educational Research Born of a Long-Running Partnership with a Mathematics Learning Platform***

**Abstract**

In this talk, Dr. Teomara Rutherford will present an overview of her research partnership with the online mathematics learning platform, Spatial Temporal (ST) Math. Dr. Rutherford will discuss the formation and the 11-year evolution of the partnership, along with the opportunities and challenges inherent in working with digital content developers. After this overview, Dr. Rutherford will present one recent study conducted with ST Math, leveraging data from within ST Math to understand student performance, engagement, and motivation during the spring 2020 shift to emergency online learning.

**Bio**

Dr. Teomara (Teya) Rutherford is an assistant professor in the University of Delaware School of Education, affiliated with the Learning Sciences and Educational Statistics and Research Methods programs. She received her PhD in Learning, Cognition, and Development from University of California, Irvine, her JD from Boston University School of Law, and her bachelor’s degree in Elementary Education with a concentration in Computers in the Classroom from Florida International University. Dr. Rutherford’s research focuses on learning and motivation, especially in STEM and in digital contexts.

Dr. Rutherford has been awarded over 5M in federal grants as PI or Co-PI and has published in outlets such as *Contemporary Educational Psychology*, *Learning and Instruction*, and *Computers and Education*. Her most recent National Science Foundation-funded project examines students’ in-the-moment motivations and emotions as they work within a digital mathematics learning tool.

Dr. Rutherford’s lab website is at: [https://rutherfordlab.wordpress.com/](https://urldefense.com/v3/__https:/rutherfordlab.wordpress.com/__;!!BpyFHLRN4TMTrA!sFkWfGzksV39ae5ecbUTuyexbYPYeL6sFD4z2eoB9maJ2-sQZrI99osSXt2YMmbBti0AsA$) and she is on Twitter under @DrTeyaR.