

Finding the math in nature: Developing a conceptual understanding of measurement and data

During this burst, the speakers will share how they purposefully incorporated meaningful mathematics into their scientific explorations in nature. Specifically, the speakers will share how they helped their early childhood students to collect, represent, and analyze Metric and U.S. Customary measurement data in an outdoor classroom.

As this presentation is brief the presenters will efficiently utilize their time to help participants learn 1) how to successfully incorporate mathematics within science, 2) how to guide students in the formation of questions about nature that are answerable during the collection of various measurements, 3) how to help children develop both procedural knowledge and a conceptual understanding of measurement (both Metric and U.S. Customary), and 4) how to utilize real-world measurements to represent and analyze data.