

1125-O1-2161 **Sarah E. Hanusch*** (sarah.hanusch@oswego.edu), Oswego, NY 13126. *Teaching Set Theory and Venn Diagrams with Embodied Cognition.*

Introductory set theory with Venn diagrams is a common topic for general education mathematics courses. This topic often causes difficulties for students because of the specialized notation involved. However, a lesson utilizing embodied cognition resulted in significant learning gains for the students in a mathematics for pre-service elementary teachers course. In this session, I will present the lesson activity and the evidence of learning gains and student perceptions. (Received September 19, 2016)