

1135-G1-2887 **Stacy Musgrave*** (smmusgrave@cpp.edu). *Teachers' Structural Reasoning with Algebraic Expressions and Equations.*

One of the mathematical practices being promoted in today's mathematics classrooms is reasoning structurally. In this presentation, I highlight what it means to reason structurally about expressions and equations. I draw upon data from Project Aspire (PI, P. Thompson), a research program that developed an diagnostic tool, the Mathematical Meanings for Teaching secondary mathematics (MMTsm), to characterize secondary teacher's mathematical meanings for foundational ideas in the high school curriculum. (Received September 26, 2017)