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**Candice M. Quinn\*** (cmq2b@mtmail.mtsu.edu). *Purposeful placement: How to group a room full of students.*

There is an increasing use of group work in undergraduate mathematics classrooms, however group composition can have differential effects on group performance based on gender, ethnicity, and achievement. There are different ways to organize a room of students into groups, however there is still the concern that not all students in groups are given the same opportunity to learn. I have drawn upon ideas from cognitive psychology and mathematics education to develop The Working Group Survey which can be used to arrange students in equitable working groups. This survey consists of 12 Likert-scale questions, five of which were adapted from the Attitude Survey created by Brookstein, Hegedus, Dalton, Moniz, & Tapper (2011), and five open-ended questions. In this presentation I will demonstrate how the survey was used to arrange groups, and discuss students' perception of their groups, and how the groups interactions differed during a group exam for three contrasting group compositions. (Received August 26, 2019)