

1135-VG-1045 **Rita M Patel*** (patelr35@cod.edu), **Amanda Harsy** (harsyram@lewisu.edu) and **Dave Klanderman** (dave.klanderman@trnty.edu). *The Impact of Math Teachers' Circles on Persistence, Confidence, and Implementation of Inquiry-based Learning for K-12 Teachers.*

The Southwest Chicago Math Teachers' Circle is a partnership between college and university professors and local K-12 math teachers. This circle focuses on providing opportunities for teachers to work with deep and interesting mathematical problems which may relate to the topics that they teach in their classrooms. The authors have attempted to determine the impact of participation in this program on the teachers' dispositions toward mathematics, the teaching of mathematics, and their perception of the learning of mathematics. Specifically, we measure the teachers' persistence, confidence, and willingness to implement inquiry-based learning in their K-12 classrooms. This talk will share some of the results gathered from two workshops hosted in August 2016 and August 2017. Data sources include written survey responses in conjunction with Likert-scale items. Join us to learn more about our math teachers' circle, the impact on participating teachers, and the potential future impact on their students. (Received September 18, 2017)