

1116-C1-2141 **Kimberly R Elce***, kelce@csus.edu. *The Cycle: Changing the Culture in K-12 Classrooms.*

With the implementation of the Common Core State Standards in Mathematics, comes a change in the expectations of students as evidenced in the new assessments. To address this change, the culture of the mathematics classroom must shift in a way so that students believe that mathematics is something that they can figure out and not something that they are simply told how to do. Creating this cultural shift in the classroom can be an overwhelming task for teachers. When working with K-12 teachers, we introduce a paradigm called “The Cycle” to help teachers take lessons that are traditionally procedural rules told to the students, and shift the focus so that students figure out the procedure themselves. In this talk we will look at examples of “The Cycle” and reflect on the impact it has had on K-12 teachers. In addition, we will address how we are taking our work with K-12 teachers and implementing it in our undergraduate classes that are largely populated by students planning on pursuing a career in teaching. (Received September 21, 2015)