

1154-VG-1779      **Stephanie L Hurtt\*** (stephanie.hurtt@unco.edu), **Gulden Karakok**, **Katherine Morrison**,  
**Cathleen Craviotto** and **Elizabeth Sasse**. *Math Circles Program to Facilitate Challenging  
Tasks*.

The Northern Colorado Math Circles program aims to enrich mathematics for middle school students by providing a three-day camp where students work on challenging, often open-ended mathematics tasks, which they would not typically see in their own mathematics classrooms. The goal of this outreach program is to improve students' ability to problem-solve, to reason mathematically, and to promote enthusiasm for mathematics. At the end of the camp, to evaluate our work with students, we asked students to complete an anonymous survey. The survey allowed us to collect data about student beliefs and attitudes surrounding mathematics, problem-solving, and the camp in general. In this presentation, we will share how we structured summer camps with support from various sources and the MAA Dolciani Mathematics Enrichment Grants and problems we used with students. In addition, we will share themes across the three years of the program regarding students' perspectives on problem-solving and mathematical growth mindset. We will also discuss the implications of the program as well as suggestions for improvement and implementation of the program in other locations. (Received September 16, 2019)