

1135-Q5-2470 **Erica Bajo Calderon*** (ebajo@uco.edu), **Liz Lane-Harvard** and **Carol Lucas**. *Spatial Reasoning at the Central Oklahoma Math Circle*. Preliminary report.

The Central Oklahoma Math Circle is a partnership between US Grant High School in OKC and the University of Central Oklahoma. Numerous studies have shown that higher levels of spatial reasoning correlate to success in mathematics, and it is usually the males that have a better grasp of spatial reasoning. Since our Circle's target audience is females, we like to incorporate at least one lesson on spatial reasoning. In this talk, we will discuss a progression of activities that incorporate spatial reasoning, like quick draw and thinkcards, with the final activity being Blokus Trigon. We will describe our conversation with the participants about spacial reasoning and its importance. Finally, we will discuss variations for the activities. (Received September 26, 2017)