

1116-B5-2889 **Brandy S Wieggers*** (wieggersb@cwu.edu), Ellensburg, WA 98926, and **Dominic Klyve** (klyved@cwu.edu), **Allyson Rogan-Klyve** (roganklyve@cwu.edu) and **Janet Shiver** (shiverj@cwu.edu). *Kittitas Valley Math Circle, a program for students and their parents*. Preliminary report.

The Kittitas County Math Circle is designed for fourth, fifth and sixth grades students with their parents. What started similar to other elementary Math Circles across the country has grown to be a more unique program over the year, reacting to the needs and interests of the Kittitas community.

To start, the young students work weekly with a group of undergraduates from the university, led by B. Wieggers and D. Klyve. Each week we play different games (NIM, Toads & Frogs, Triangle Pennies and the 4 Square Problem). While playing, the undergraduates lead the younger students in talking about the patterns and problem solving leading to connections of deeper mathematics. This has deepened the undergraduates' problem solving skills and overall mathematical knowledge.

At the same time the students are playing, we are also running a Circle for parents. This Circle, led by A. Rogan-Klyve and J. Shiver, gives parents a chance to play the same games, and explore ways to use these games as a starting point for more mathematical exploration and play at home. The Circle also allows parents the opportunity to discuss aspects of the recently implemented Common Core Curriculum, which so many parents find to be very different than the math they remember from their own school days. (Received September 22, 2015)