

1014-O1-1506      **Aaron Montgomery\*** (montgoaa@cwu.edu), Mathematics Department, Central Washington University, 400 East University Way, Ellensburg, WA 98926, and **Bernadette Baker**. *Unified Representation of Function: Graphing*. Preliminary report.

This talk will present the results from a small pilot study using a new approach to teaching the concept of function. This approach was developed to bridge the gap between the three traditional representations of function (algebraic, graphical, tabular). Preliminary results along with a focus on the use of the unified representation as a method of teaching composition were presented at Math Fest 2005. This talk will focus on the use of the unified representation as a method of teaching graphing. It will include examples of the technique, student interview responses, and some quantitative data supporting the effectiveness of this work to foster student understanding of function. (Received September 28, 2005)