

1035-L1-1011 **Amanda Katharine Serenevy*** (amanda@riverbendmath.org), 1021 Queensboro, Mishawaka, IN 46544. *Guided Discovery at the Riverbend Community Math Center*. Preliminary report.

The Riverbend Community Math Center is a non-profit organization in the South Bend, IN area which strives to increase public enthusiasm and confidence in mathematics. Two programs that we offered during this past year are a Math Studio program for upper elementary school students at local Boys and Girls Clubs, and a guided inquiry workshop for middle school math and science teachers (co-led by Notre Dame physics professor Gordon Berry and middle school science teacher Kent Mikel). In the Math Studio program, students participate in guided inquiry math activities at will during their free time in the activity room. Their notebook entries offer evidence that these activities increase student enthusiasm and competence in mathematics. The guided inquiry teacher workshop was well-received by participants. Teacher notebook entries written over the two-week period show improved understanding of what is meant by guided inquiry and increased enthusiasm for incorporating these techniques in their own teaching. (Received September 18, 2007)