

1014-D1-459

Martha L Wallace* (wallace@stolaf.edu), MSCS Department, St. Olaf College, 1520 St. Olaf Avenue, Northfield, MN 55057-1098. *Team Planning and Team Teaching: College and School Mathematics Instructors Collaborate to Increase Mathematical Content Knowledge in Elementary Teachers.*

Mathematicians, mathematics educators and school practitioners are working together to plan and implement a multi-year mathematics professional development program for all K-6 teachers in a large suburban district. The project, supported by district funds and a state grant under the NCLB Math and Science Partnership, helps teachers understand the mathematics behind their newly adopted curriculum. Summer workshop and monthly in-service mathematics sessions are each team-taught by a college mathematics instructor and an expert grade-level practitioner who has taught the new curriculum. This talk will describe the planning process, the project structure, and the mathematical content covered. I will describe the experience from the college perspective and the benefits of planning and team teaching with expert teachers. Successes and challenges will be highlighted, along with suggestions for replication. (Received September 16, 2005)