

1014-D1-1237      **Jennifer A. Bergner\*** (jabergner@salisbury.edu), 1101 Camden Ave., Dept. of Math/CS, Salisbury, MD 21804, and **Michael Bardzell**. *Prime: Partnership for Revitalized Instruction in Mathematics Education*. Preliminary report.

We have just completed a successful multi-year grant that involved five university professors (4 math and 1 mathematics education), thirty five K-12 mathematics teachers in one school district, (3 special education, 12 high school, 20 middle school), and the district's mathematics coordinator. We delivered two 70-hour institutes on teaching geometry during the past two summers. The participating K-12 teachers adopted a reform-based geometry curriculum, developed ongoing relationships with the university faculty, and improved their students' geometry achievement. Some of them earned credit for two graduate level courses. The university professors benefited from observing the dynamics of the K-12 mathematics classrooms of the participating teachers. The institutes also provided us an opportunity to share our love of mathematics in a way that was relevant for practicing teachers. We will share an overview of the program and highlight the ingredients that made this endeavor successful. We will also give evidence of the program's success. Our approach could be done anywhere, for any grade level, and for any mathematical content given the right ingredients. (Received September 27, 2005)