

Meeting: 1003, Atlanta, Georgia, MAA CP W1, MAA Session on In-Service Training Programs For K–12 Mathematics Teachers

1003-W1-298 **Judy S O’Neal*** (joneal@ngcsu.edu), 232 Holly Drive, Dawsonville, GA 30534. *Yearlong, Sustained Contact Model for 7-12 Mathematics Teachers.*

Developing and retaining competent mathematics teachers who possess appropriate depth of content knowledge in the mathematical sciences, pedagogical skills for mathematics teaching excellence, and the ability to bring students from diverse groups to high levels of achievement is a common and attainable goal throughout the country. A critical step toward this goal is tailoring in-service training for grades 7-12 mathematics teachers so that specific needs of both the teachers and the school system are addressed.

This presentation will outline how a university and local school system partnered to develop a yearlong project for upgrading the mathematical content and pedagogical knowledge of grades 7-12 mathematics teachers. Specifics related to the procurement of funding, content selection, instructional delivery components, instructional tools such as manipulatives and technology, assessment of participants, follow-up phase, professional conference attendance and presentations by participants, organizational responsibilities, and project evaluation will be included. Samples of manipulative and technology-based activities, participants’ portfolio entries, performance-based assessment rubrics, and participant comments will also be included. (Received September 08, 2004)