

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

1003-W1-608 **Cathy S. Liebars*** (liebars@tcnj.edu), The College of New Jersey, Dept. of Math & Stats, P. O. Box 7718, Ewing, NJ 08628. *Teachers as Leaders and Learners*. Preliminary report.

The College of New Jersey (TCNJ), its School of Education, School of Science, and the Trenton Public Schools (TPS) are partnering in a unique professional development opportunity called Teachers as Leaders and Learners (TALL). The goal is to improve student proficiency through high quality, on-site, sustained professional development in the core content areas of mathematics and science, which will be integrated for in-service teachers, paraprofessionals, and pre-service teachers. We are currently in the second year of the project with funding from the state of New Jersey's Improving Teacher Quality grant. Two programs will be discussed: the Professional Specialization Program offers middle school mathematics teachers high quality content courses in mathematics integrated with technology, taught on-site in the Trenton School district, that provide the additional benefit of supporting the district's adoption of the Connected Math Program, and the Professional Development School partnerships between TCNJ and TPS, where teachers and paraprofessionals receive high-quality professional development in mathematics and science integrated with technology from TCNJ professors and scientists and mathematicians in residence. (Received September 24, 2004)