

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

1003-W1-632      **Janet Walter, Blake Peterson, Candice Ridlon, Sterling Hilton, Richard Sudweeks, Nedra Call, Julie Warren, Mel Twitchell and Michael Dorff\*** (mdorff@math.byu.edu), Department of Mathematics, Brigham Young University, Provo, UT 84602. *Comprehensive Math Instruction Professional Development Program*. Preliminary report.

This professional development program is a result of a year-long study conducted by a 12-person Brigham Young University Public School Partnership (BYU-PSP) Mathematics Committee consisting of 6 faculty members from BYU and 6 public school administrators and teachers from five local school districts (representing about 1/3 the K-12 student population in Utah). It addresses the national need of how professional development can improve the implementation of the National Council of Teachers of Mathematics (NCTM) standards in teachers' classroom practice, and it focuses on preservice through practicing K-5 mathematics teachers, teacher leaders, and administrators. During the past year, the BYU-PSP Mathematics Committee met for more than 100 hours to discuss mathematical needs of the partnership school districts, explore books and articles related to these needs, and examine various programs as possible models that could be utilized. From this, the BYU-PSP Mathematics Committee formed a mathematics professional development model, which is usable at both the inservice and preservice levels. This professional development model is called "Comprehensive Math Instruction" (CMI). (Received September 25, 2004)