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**James R. Valles Jr.\*** ([james.valles@ttu.edu](mailto:james.valles@ttu.edu)), TTU Mathematics, Math Bldg., Room 201, Box 41042, Lubbock, TX 79409-1042. *Effects and Outcomes of Participation in an NSF GK-12 Project*. Preliminary report.

The Building Bridges program is an NSF-funded project at Texas Tech University that seeks to develop the experience and communication skills of doctoral-level Science, Technology, Engineering, and Mathematics (STEM) graduate students with fellow STEM researchers in other disciplines and with in-service secondary mathematics and science teachers. This talk will focus on my participation, as a mathematics graduate student, within the program. The expectations and experiences gained by participation in the Building Bridges program will be explored through the discussion of classroom lessons I created and implemented in math and chemistry classes. Reactions to the lessons from the students, teachers, and myself will explore the benefits gained through participation in Building Bridges. (Received November 02, 2009)