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Mathworks, a center for mathematics education at Texas State University, has 3 pillars—summer math programs for students, teacher training, and curriculum development. In this talk, we describe the role of partnerships with K-12 schools in supporting each of the pillars. We describe how we set up collaborations and how research is integrated into our graduate mathematics education program. This includes a collection of current and ongoing research projects, problems and questions. The Mathworks Junior Summer Math Camp (JSMC) is a 2-week multi-tiered program for 200 students in grades 4-8, organized in partnership with the San Marcos Consolidated Independent School District (SMCISD). SMCISD provide classrooms, transportation for students and a free breakfast and lunch for our participants. Mathworks provides master teachers from local schools and 100 scholarships for students with financial need. Ten inservice teachers observe the camp in the morning and receive “continuing education credits” for participating in the afternoon teacher professional development. Thirty undergraduates assist in the camp and participate in the professional development along with the master and inservice teachers. (Received September 06, 2016)