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Judith M. Kysh* (JudyKysh@gmail.com), 841 The Alameda, Berkeley, CA 94707, and **Diane Resek**, CA. *Changing Teachers' Concept of Mathematics with the Goal of Providing Equal Opportunity for All Students to Succeed in Learning Algebra.*

Through the REvitalizing ALgebra (REAL) Project we worked with undergraduate math majors interested in teaching, graduate teaching assistants, and high school teachers to improve teaching and learning of algebra in schools with ethnically diverse populations. Over the course of this three-year NSF project we used a variety of activities with the participants. Some of these activities turned out to have more impact than others in their long-term effect on teachers' attitudes toward their students and in the observable effects in their classrooms. One of the goals of the project was to change teachers' attitudes and expectations in relation to what and how their students could learn in an algebra class. In this session we will discuss these activities, examine some examples, and discuss those that seemed to have more lasting impact and possible reasons for this. (Received September 19, 2009)