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Jennifer C Smith* (jsmith@math.arizona.edu), PO Box 210089, Department of Mathematics, University of Arizona, Tucson, AZ 85721. *The Saturday Mathematics Workshop Series at the University of Arizona: An Outreach Project Connecting Undergraduate and Graduate Students to High School Students and Teachers.*

The Saturday Mathematics Workshop Series is an outreach program funded by the University of Arizona's RAIRE grant. Over the last three years, over 50 graduate and undergraduate students have participated in the organization and teaching of these workshops, which have been attended by more than 500 students and teachers from southern Arizona. Each day-long workshop focuses on a single mathematical topic of interest to the presenters. This topic is usually related to an area of current research, and so exposes students and teachers to mathematics beyond the traditional high school curriculum. In general, the program is entirely run by graduate and undergraduate students who schedule, design, promote, and run the workshops with little or no assistance from faculty. In this talk, we will discuss the general philosophy and logistics of the program, as well as present examples of activities used in some of the workshops. More information about the program can be found on our webpage at: <http://grad.math.arizona.edu/~jsmith/workshops/> (Received September 15, 2000)