

1021-97-133 **Glenn Stevens*** (ghs@math.bu.edu), Department of Mathematics, 111 Cummington Street,
Boston, MA 02215. *A Masters Program in Mathematics for Teaching.*

Since 1991, Boston University's PROMYS program has engaged teachers for six week periods each summer in deep exploration of significant mathematical themes. Beginning in 2003, with NSF support through the Focus on Mathematics Partnership, the program has expanded to be part of an innovative Masters Program in Mathematics for Teaching, designed to develop teacher leadership focused on expertise in mathematics (for teaching!). Within this program, teachers engage in a six-week immersion experience of mathematics, followed by independent mathematical explorations, and accompanied by education courses designed to place these mathematical experiences in the context of middle and high school classrooms. The talk will give a progress report on these programs, describing experiences of both teachers and mathematicians and the impact these experiences have on these individuals and the very different cultures in which they work. (Received September 01, 2006)