

Meeting: 1003, Atlanta, Georgia, SS 19A, AMS Special Session on Mathematicians' Work on Mathematics Education

1003-97-1576 **Glenn Stevens*** (ghs@math.bu.edu), Department of Mathematics, 111 Cummington Street,
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The Program in Mathematics for Young Scientists (PROMYS) was founded in 1989 by a group of mathematicians at Boston University as a program for talented high school students aspiring to research careers in mathematics and science. From the beginning we believed that the underlying principles, which PROMYS inherited from the Ross Program, have an important role to play in the broader arena of mathematics education. As a partner in the NSF-funded Focus on Mathematics (FoM) partnership we have been granted an opportunity to test this hypothesis. The partnership engages 20 research mathematicians in mathematics-focused collaborations with teachers in five school districts. We will give samples of the work that has been done by these groups and will analyze some of the challenges and strategies we have encountered in our efforts to bridge the university and school mathematics communities. (Received October 05, 2004)