Scaling the Teaching Curve:  
A PCMI Teacher Program Weekend Experience  
Free professional development for middle and high school math teachers.

A weekend workshop where you will do mathematics, think about teaching and share in professional development activities. Experience the Teacher Program of the Park City Mathematics Institute (PCMI) during the academic year. See http://mathforum.org/pcmi/hstp/ for past PCMI programs and parkcitymath.org for information about the Teacher Program.

December 5-6, 2015  
St. Marks School, Southborough MA

All middle and high school math teachers are invited to attend.  
Past PCMI Teacher Program participants will be asked to bring a colleague as the goal of this PD is to reach out to the community beyond PCMI alums.

Doing Mathematics  
Participants will exercise some mathematical habits of mind such as exploring mathematical ideas, finding relations and discovering patterns. They will analyze mathematical games, look for relations between figurate numbers, and explore Pythagorean triples. Modular arithmetic is an underlying theme, but the primary goal is to experience new mathematical ideas in a collaborative setting.

Reflecting on Practice  
The tasks teachers assign students and how the tasks are implemented make a difference in what students learn. Participants will identify characteristics of tasks that make them mathematically worthwhile and modify tasks to make them a better learning experience for students as well as explore strategies for how to organize and manage students as they are working. The discussion will be grounded in research related to teaching and learning mathematics including typical tasks and their implementation in other countries.

There is a small stipend for all participants and limited support for overnight accommodations. A shuttle will be available to bring Boston participants to St. Marks. Enrollment is limited.


You will be notified if your application has been accepted by November 15.  
Contact: Tina Cardone, Salem High School, Salem, MA tina.cardone1@gmail.com

Other PCMI Teacher Program Weekend Experience workshops will be held:  
Salt Lake City, UT in February and Chicago, IL in March.  
For details see parkcitymath.org.