

What Middle School Teachers Are Saying

"There are so many critical mathematical principles that are glossed over or ignored by middle school teachers. When I was taught basic arithmetic, geometry, and algebra, I was never taught the underlying math inherent to these ideas. My understanding has been enhanced, and therefore my teaching has improved."

"I now make a point of letting my students know that it is okay to not immediately know how to solve a problem, that we can examine it and 'discover' possible solutions and then test them out to see if one of them works. This encourages even the timid students to venture out with a possible suggestion for a solution. Using this method is much more fun for everyone and it definitely actively involves all of the students."

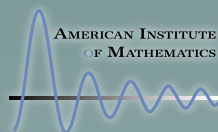
"I have made new friends and have stretched my brain. I have explored in depth some of the concepts that I teach. The networking with other professionals in the field of math is something that I value that would not have happened in any other venue. I truly enjoy our once-a-month gatherings and am constantly sharing the good news with colleagues."

What Mathematicians Are Saying

"The beauty of the program is that by exposing one teacher to the kind of open-ended problem solving you encounter in a Math Teachers' Circle, you can potentially affect thousands of students over the course of that teacher's career."

"It is enormously rewarding to be able to share the intrinsic beauty, austere clarity, and intriguing complexity of mathematics with middle school teachers and see how they revel in conquering challenging problems and get to appreciate the fact that there are valuable lessons to learn even in failing to completely solve a problem. I believe the program has a profound effect on the kind of mathematics that these teachers present in their classrooms."

MTC Network Sponsors



Please contact us if you have questions or would like more information about Math Teachers' Circle.

American Institute of Mathematics
360 Portage Avenue
Palo Alto, CA 94306
www.aimath.org

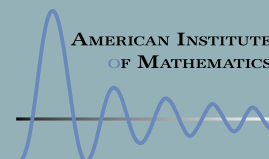
Brianna Donaldson
Director of Special Projects
circles@aimath.org
650-845-2071

www.mathteacherscircle.org

How to Run a Math Teachers' Circle



Summer Workshops



We strive to improve math education in US middle schools by fostering a culture of problem solving. Join us!

Math Teachers' Circles

Math Teachers' Circles bring together middle school math teachers and professional mathematicians to enrich the teachers' experience of mathematical problem solving and build mathematical community. Our goals are to:

1. Increase the confidence of middle school math teachers in problem solving
2. Deepen teachers' content knowledge through exploring mathematically rich problems and developing an arsenal of techniques for solving unfamiliar and challenging problems
3. Form long-term professional relationships among teachers and mathematicians through regular, highly interactive meetings
4. Provide support for teachers who want to bring richer mathematical experiences to their students

The MTC Network

www.mathteacherscircle.org

Founded in 2006 at the American Institute of Mathematics, the MTC Network now includes Member Circles across the U.S. We provide materials and resources as well as logistical support to help these MTCs succeed.



"How to Run a Math Teachers' Circle" Workshops

Each summer, the MTC Network organizes workshops on "How to Run a Math Teachers' Circle." Every aspect of organizing and running a MTC is covered, from the logistics of recruitment and finding a venue through fundraising for long-term sustainability. Days start with example MTC sessions so that participants become familiar with the style and content associated with the program and end with guided planning sessions. During the course of the week, each participating team develops a concrete plan for how to run their own local MTC.

How to Apply

Running a MTC is a team effort that requires collaboration across traditional educational boundaries. For each of our workshops we are seeking teams of five people: **two middle school math teachers, two mathematicians, and one administrator or other organizer.**

If you are interested in being part of this growing national program, please apply with your team at <http://www.mathteacherscircle.org/workshops.html>. Travel, hotel, and per diem are provided for each invited team.

