

TULSA MATH TEACHERS' CIRCLE



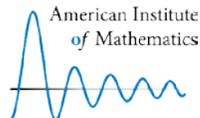
4th Annual Summer Immersion Program June 5 - 7, 2017 8:00 AM - 4:00 PM Post Oak Lodge Tulsa, OK

Join us this summer for an intensive three-day program!

Comments from last summer's teachers "Less pedagogy and more math." "I love that you feel more like a student rather than a teacher." "I got to think more. I enjoyed the math. Presenters were friendly and happy to talk." "The focus was on teaching techniques to improve student confidence VS the classroom community emphasized in great Expectations." "More hands-on!" "Much more math!" ☺

- Exciting Math Problem-Solving Sessions
- \$200.00 stipend for teachers who complete the 3-day workshop!
- Outstanding Facilitators
- Join K-12 and College Math Educators and Professional Mathematicians

Funding for Math Circle events is provided by the Charles and Lynn Schusterman Family Foundation, The University of Tulsa Mathematics Department, The University of Tulsa College of Engineering and Natural Sciences, National Science Foundation, American Institute for Mathematics, Mathematical Sciences Research Institute, National Security Agency.



Tulsa Math Teachers' Circle Summer Immersion Workshop

June 5-7, 2017

Post Oak Lodge

Set on 1,000 acres in the woodlands of the Osage Hills, just 7 miles northwest of downtown Tulsa, the Post Oak Lodge provides excellent facilities. <http://www.postoaklodge.com/>.

Typical Day - 8:00 A.M. – 4:00 P.M.

Two workshop sessions in the morning
Lunch
One workshop session in the afternoon
Wrap up session with time for Q&A

What is a Math Teachers' Circle?

Math Teachers' Circles (MTC) bring together middle school math teachers, high school and college mathematics educators, and professional mathematicians to enrich the teachers' experience of mathematical problem-solving and build mathematical community. Our goals are to:

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

Tulsa Math Teachers' Circle

The Tulsa Math Teachers' Circle (TMTC) meets throughout the academic year in selected months. TMTC hosted its first academic year meeting in October, 2013. We have also hosted three summer immersion workshops, one in 2014, in 2015, and one in 2016, all at Post Oak Lodge. TMTC Website: <http://tmtc.utulsa.edu/>

Who are the presenters?

Bob Klein: Bob Klein is an Associate Professor of Mathematics at Ohio University. He lives and works in Ohio's Appalachian foothills, where he researches rural issues in mathematics education. He is co-founder of the Southeast Ohio MTC and the Math League Math Circle. He also co-directs the Navajo Nations Math Circle. Bob works with the Ohio Department of Education and the Ohio Board of Regents on a number of projects including

the House Bill 1 Advisory Panel, and The Educator Standards Board. He is father to three and has built his own kayak! He has also been a favorite facilitator with our teachers in past Tulsa Summer Immersion Workshops.

Tatiana Shubin: Tatiana Shubin joined the faculty of San Jose State University in 1985 after earning her Ph.D. in Mathematics from UC Santa Barbara. In 2006, she won the Northern California, Nevada, and Hawaii Section (a.k.a. Golden Section) of the MAA Award for Distinguished College or University Teaching of Mathematics.

She is a co-founder and co-director of Navajo Nation Math Circles project and in 2006, Tatiana became a co-founder of the first Math Teachers' Circle in the US (and, in fact, in the world). This circle proved to be a seed which germinated to produce the entire Math Teachers' Circle Network. She has since remained a member of the leadership team of the organization.

Who should apply?

The target audience of this intensive summer workshop is middle school math teachers. Returning TMTC Immersion Program participants will be considered. **Upper elementary school, high school and college mathematics educators** are welcome to apply and may be invited to attend the workshop for free.

Application deadline

For full consideration, the attached application form must be received on or before **Saturday, April 22, 2017**.

For further information, contact:

Marilyn Howard
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Phone: (918) 631-4130

Tulsa Math Teachers' Circle

Summer Immersion Program Application -- 2017

Name: (Last) _____ (First) _____ (M.I.) _____

Address (H) _____

City _____ State _____ Zip _____

Email (best email for summer program) _____

Phone (W) _____ (H) _____

School where you currently teach _____

School district _____

Number of years' teaching experience _____ Grades you teach _____

Math subjects you teach _____

Have you attended a Tulsa Math Teachers' Circle meeting before? ___ Yes ___ No

Have you attended a TMTC Summer Immersion Workshop before? ___ Yes ___ No

How do you use problem solving in your teaching? _____

Tulsa Math Teachers' Circle (TMTC) Commitments

Yes No

- I am prepared to participate fully in the three-day summer workshop.
- I will commit to participation in some evening TMTC meetings during the 2017-2018 academic year. (Meetings will be held in Sept., Oct., Nov., Feb., Mar., and Apr.)
- I will utilize teaching methods learned through TMTC in my classroom.
- At the end of the program, I am willing to provide brief data and descriptions to help with summer program evaluations.

For full consideration, please return this application form on or before **Saturday, April 22, 2017**.
Applicants will be notified by April 30, 2017 if they have been accepted or not.

Email (preferred): marilyn-howard@utulsa.edu

U.S. Mail:

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