

Why Should I Participate?

- MTC focus on developing teachers' mathematical problem solving skills in the context of rich mathematical content
- The emphasis is on helping teachers understand and engage in key features of mathematical practices that are clearly described in ONLS and the Standards for Mathematical Practice.
- Research suggests that participation in a MTC can increase teachers' mathematical knowledge for Teaching (White, 2011)

- Many teachers have reported increased confidence in their mathematical problem solving ability and described ways in which they have changed their teaching practice as a result of participation (White and Donaldson, 2011).
- Middle school teachers who participated in a weeklong intensive summer MTC workshop significantly increased their scores on a standard test measuring mathematical knowledge for teaching (White, 2011; White, Donaldson, Hodge and Ruff, 2013).
- Previous research has linked higher mathematical knowledge for teaching scores with increased student achievement (Hill et al, 2007)

Math Teachers' Circles of Northwest Ohio

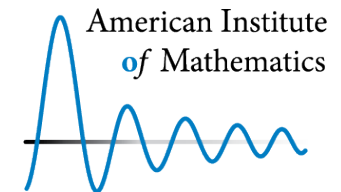
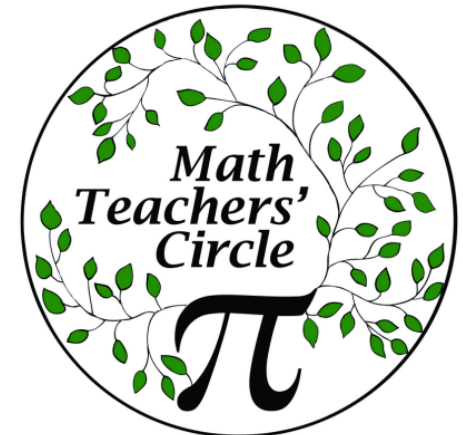
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Black Swamp Math Teachers' Circle

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Glass City Math Teachers' Circle

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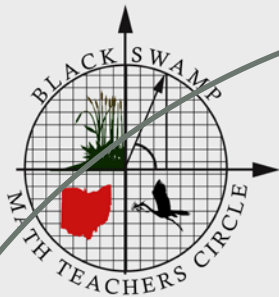


Math Teachers' Circles of Northwest Ohio

Communities of teachers and university faculty collaborating to

- solve math problems
- discuss community needs
- extend personal learning

Black Swamp Math Teachers' Circle



WHO: Teachers from area elementary, middle, and high school as well as university faculty are welcome to meet and engage in fun, engaging, and meaningful mathematics problem solving. No mathematical prerequisites are necessary.

WHY: Having fun explaining math gets you excited about doing new and fun math in the classroom.

WHEN: There will be a four-day immersion workshop held July 27-30 2015. Four sessions will follow this workshop throughout the 2015-2016 academic year.

WHERE: The workshop will be held in a location TBD.

Team Members

Dr. Debra Gallagher, BGSU
Dr. Gabriel Matney, BGSU
Mrs. Joan Funk, Notre Dame Academy
Mrs. Tami Matney, Imagine Schools
Mrs. Marcia Miller, Notre Dame Academy

Working Together to Grow Together!

NWOMTC

- We seek any teachers who want to have a good time connecting with others while experiencing math in a fun but challenging way with particular interest in grades 4 – 9 teachers.
- Our goal is to help teachers experience the satisfaction of problem-solving in a way that builds confidence that will carry over into classroom instruction.
- Our aim is high-quality professional development that is teacher-driven.
- Contact hours will be available for those who participate.
- Our hope is to foster strong collaboration among our two groups that will provide flexibility for teachers in attending a circle that fits their schedule.

THIS OPPORTUNITY IS FREE!

Glass City Math Teachers' Circle



GCMTC Mission

The mission of the GCMTC program is to establish a foundation for a culture of problem solving among NWO educators.

The goals of the program are to:

- *Engage educators in problem solving as well as dialogue with a community of learners and to provide guidance, materials and resources that will promote open-ended problem solving as a way of learning, thinking about, and practicing mathematics in their classrooms.*
- *To conduct a Summer Immersion Workshop in late July, 2015.*
- *To host 6 – 7 meetings during the 2015 – 2016 school year and beyond.*

Team Members

Alessandro Arsie, Univ. of Toledo
Paul Hewitt, Univ. of Toledo
Diane Burtchin, Rossford Schools
Bo Everts, Rossford Schools
Glenn McIntyre, Perrysburg Schools