

*Math Teachers' Circle: An
Overview of some Research In-
Progress*

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Motivation for Study

- MTCs are spreading
- MTCs involve mathematicians in PD, communities of teachers, mathematicians, math educators
- MTCs adhere to generally accepted components of effective professional development
- Initial self-report data from teachers was very positive
- High-retention rates

Next: Impacts/Rationale

Impacts and Rationale

- Part of cycle of feedback
- Provide concrete data to potential funders, districts, etc., on MTC effects
- Contributes substantially to community of mathematicians, math educators, teachers, and administrator
- Adds credibility to our work
- Want to help other mathematicians jump in smoothly

Next: Research Questions

Research Questions

- Does participating in a Math Teachers' Circle Immersion Workshop
 - Result in increases in teachers' Mathematical Knowledge for Teaching? If so, what aspects?
 - Impact or prepare teachers to assume various leadership roles?
 - Enhance the math advice networks of participating teachers?
- How does ongoing participation in a MTC impact the classroom teaching of mathematics?

Next: Study Methods

Study Methods

- Administered Learning Math for Teaching Instrument
 - Subscales used:
 - Number Concepts and Operations
 - Piloting specific questions that we hypothesize will be affected
- Case studies: interviews, video analysis, surveys
- Social network and leadership survey

Next: Open Discussion

Study Challenges

- Impact hard to identify
 - Intervention small, hard to isolate
- Hard to get longitudinal data
- MTCs differ substantially

Next: Open Discussion

Open Discussion

- Questions?
- Thoughts?

Next: Contact Info

Contact Information

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