

Lessons from the Master of Mathematics for Teachers Program

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A Bit of History

Master Of Mathematics for Teachers:

- Fully online part-time professional Masters degree in Mathematics for in-service teachers.
- Five years in development. (2006-2011)
- Enrollment: Initial-43, Current 200+ with teachers in North America and the Caribbean, Europe, Africa, Asia and Australia

Master of Mathematics for Teachers

The Goal of the MMT:

The primary goal of the MMT is to provide current teachers of mathematics with the opportunity to expand their subject matter knowledge and to:

- deepen participants' understanding of mathematical foundations relating to core secondary school curricula,
- expose participants to areas of, and applications of modern mathematics,
- challenge participants to look for new and innovative ways to bring their newfound knowledge into the classroom, and

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- provide the teachers with an opportunity to once again **do mathematics**.

Note: The program is not about pedagogy!

Master of Mathematics for Teachers

Master Of Mathematics for Teachers: The Students

- Mostly in-service secondary math teachers.
- Backgrounds range from full math degrees (minority) to two calculus courses and a linear algebra course. (majority)
- Wide range of experience levels. Many are in leadership roles.
- Broad range of demographics.

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Question: Is there some sort of analog we could design for Elementary school teachers. Perhaps a free or very low cost certificate program.

What can we learn?

Observations:

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Key Takeaways .

- Teaching teachers is a great way to gain insight into what is happening in the schools. It is also extremely rewarding.
- Teachers are our absolutely important allies!!! They care deeply about their students success. Through partnership they can help us as much as we can help them.

The End

Thank you

<https://www.cemc.uwaterloo.ca/mmt.html>