



**MISA PNC Thunder Bay Region
2017-2018 Action Research Project Final Reporting**

As referenced in the MISA PNC Plan, Priority Funding Area 2, Research and Evaluation

Each project team will submit a final report in the form of an abstract. Each abstract will be presented to the MISA Leaders and posted to the PNC website as a reference to all member boards. Poster or electronic presentations will be presented at the 2017-2018 NOEL Leadership Conference and / or to NOEL Directors during the 2017-2018 school year. Other opportunities to share learning will be explored with Lakehead University and other MISA PNCs.

Final Report Due May 30, 2018

Please submit to Colleen Kappel, MISA Executive Lead via email
Colleen_Kappel@lakeheadschoools.ca

Upon receipt of the final report, the remaining 25% (\$2,500) of funds will be dispersed.



**MISA PNC ACTION RESEARCH PROJECT FINAL FUNDING REPORT
2018**

DUE DATE: Wednesday, May 30, 2018

Board:	Thunder Bay Catholic DSB
Topic:	Mathematics (Grades 1 & 2)
Lead:	Charlene Cavanagh
Email:	ccavanagh@tbcschools.ca

What did you learn?

The project began with the need to understand how our students are doing in mathematics. We also desired to assess our overall Mathematics Plan and the effect on student learning of teacher participation in professional development in mathematics content and pedagogy. Through conversations with researchers at Lakehead University, our MISA PNC project became focused on the development of an efficient, research-based, numeracy diagnostic tool that can be used by our Grade 1-2 teachers to inform instruction. We learned that there are several mathematics education researchers who use diagnostic interviews to assess a variety of aspects of student numeracy and that we needed to test out many tasks/activities/items with students to find out which gave the most useful information, while being time-efficient, to our teachers. We wanted our diagnostic tool to align with our recent professional development initiatives and thus be easily integrated into teaching practice. For this reason, we needed to have our teachers test out the diagnostic tool with their students and give feedback to the design team. We learned that using technology, such as Google forms, to collect data can allow for easier collating and sharing of data, compared to paper records.

What will you do next time?

A future project will be to develop a numeracy diagnostic tool that can be used by Grade 3-4 teachers to inform instruction.

What are your recommendations?

Total Dollars Allocated: \$ 9 500

Activity Description	Expenditures
Research, design, and development support from Lakehead University researchers	9000
Supplies for Math Diagnostic Kits for schools	500
Total	9 500

Submitted by _____

_____ **Date**