

CoP Alignment with the RMS

See how the MKN's 4 Communities of Practice align with the 7 goals of the Ontario Ministry of Education's Renewed Mathematics Strategy



RMS Goals

- 1** Sixty minutes per day of protected math learning time in Grades 1 to 8
- 2** Up to three math lead teachers in all elementary schools
- 3** Coaching for principals of select secondary schools to lead improvement
- 4** Support for learning at home through parent resources
- 5** Better access to online math resources and supports
- 6** Math support for Grades 6 to 9 outside of the school day
- 7** Opportunities for educators to deepen their knowledge, including a dedicated math PD Day

Critical Transitions

- Early Math Education survey will collect information on how much time educators are spending on math. Will also be stressing the importance of this during Professional Development Days, and are compiling resources for educators to use during this time.
- 1** Creating an online resource for early math educators that will include a section with parent resources.
 - 4** Creating an online resource for early math educators that will include balanced numeracy resources.
 - 5** Kindergarten Math Forum for ECE program instructors and B.Ed. instructors as well as early math Professional Development Days for early learning educators in the Greater Essex DSB.
 - 7**

Math Leadership

- 1** Working with math leads in developing resources and strategies to use the protected time purposefully.
- 2** Working with math leads.
- 3** Working with principals and superintendents to enhance content knowledge and math leadership capacity.
- 4** Schools have parent involvement in their school improvement plans.
- 5** Some online learning activities (e.g., notabookstudy) are open, so that educators and parents can take part. Also creating online resources that teachers, students, and parents can access.
- 7** Network that offers PD to Board leaders across the Province. #NotABookStudy (organized by MLN) is huge success (with more than 500 participants) and the GECDSDS organizes several workshops for about 250 math leads in the Board.

Computational Thinking

- Working in 20 grades 1-8 school settings in WCDSB and TDSB to develop resources to support enhanced learning during the 60 minutes of protected time. Resources shared at mathnetwork.ca.
- 1** Working with math leads.
 - 2** Working in partnership with HS principals in WCDSB as they implement a grade 10 Math + Computer Science Cohort.
 - 3** All CT activities include a home connection, where students share their learning and parents respond to teacher: What did your child share with you? What did you learn? CoP involves at least 1 teacher in each elementary school in WCDSB; and all primary teachers at St Andrews PS in TDSB.
 - 4** All activities have online resources that students and parents can access at home. Resources will be shared at mathnetwork.ca.
 - 5** The CoP offers several math workshops to teachers involved. Also collaborating with TCDSB in offering workshops to grade 6 teachers.
 - 7**

CoPs

Indigenous Knowledge

- 2** Working with math leads.
- 3** Working with principals and supervisory officers in YRDSB, NNDSB, UGDSB, GECDSDS.
- 4** OISE and YRDSB have community engagement as an integral part of their initiatives. Will look to identify successful practices of various schools/districts that have developed the home-school school mathematics connection.
- 5** Creating resources that will be online and also considering their adaptation to support educators who have limited access to high-speed internet.
- 6** Identifying successful practices of various schools and districts as well as elevating the existing tools such as Homework Help, mPower, and Mathies.
- 7** Two face-to-face CoP meetings: set the context for work and identify timelines/goals for the upcoming academic year, which will include PD to mobilize the knowledge. Also holding a land-based Math Culture Camp facilitated by Elders and Knowledge Holders.