

PA DAY POSTING:

Date: September 1st, 2023

Length: Full Day

Format: In Person

Learning and Delivery Method: Interactive lecture, with group discussions and breakout sessions

School Participating: Burkevale Protestant Separate School

Presenters: Mental Health and Well-Being & Multi-Disciplinary Team Leader, Math Board Lead, School Administrators

Resources:

- Ontario Mathematics Curriculum Grades 1-8, 2020
<https://www.dcp.edu.gov.on.ca/en/curriculum/elementary-mathematics>
- High Impact Instructions Strategies in Mathematics
<https://assets-us-01.kc-usercontent.com/fbd574c4-da36-0066-a0c5-849ffb2de96e/d7fbcc68-2f2b-4ef8-988d-3fb9b42c33cd/high-impact-instruction-math.pdf>
- Developing Computational Proficiency Addition and Subtraction
http://www.edugains.ca/resourcesMath/CE/LessonsSupports/WholeNumbers/DevelopingProficiencywithAdditionandSubtraction_AODA.pdf
- Developing Computational Proficiency Multiplication and Division
http://www.edugains.ca/resourcesMath/CE/LessonsSupports/WholeNumbers/DevelopingProficiencywithMultiplicationandDivision_AODA.pdf
- School Mental Health Ontario <https://smho-smso.ca/>

Topic 1: AM Data Analysis and Supporting Gaps

Description: School administrators and Mental Health Team Leader will work with school-based staff to examine students' strengths/needs based on the three tiered Aligned and Integrated Model and set attainable goals that will prioritize mental health, support mental health literacy, and the everyday wellness of students. Next, school-based staff will dive deeper into how students feel about themselves in terms of mathematics (using EQAO data, teacher observations, conversations, and report card data) and use number-specific trajectories to close gaps in students' fundamentals in Mathematics.

Topic 2: PM High Impact Instructional Strategies in Mathematics

Description: Using information gathered from the morning session, staff will dive deeper into the high impact strategies for teaching mathematics in K-12. Specifically, staff will look at:

- Learning Goals, Success Criteria, and Descriptive Feedback
- Direct Instruction
- Problem-Solving Tasks and Experiences
- Teaching about Problem Solving
- Tools and Representations
- Math Conversations
- Small-Group Instruction
- Deliberate Practice
- Flexible Groupings
- Differentiation and how these strategies support improvements and gap closing in mathematics

The grade specific math Number diagnostic tools designed by administration will be shared for teachers with a timeline for implementation and review to track progress.