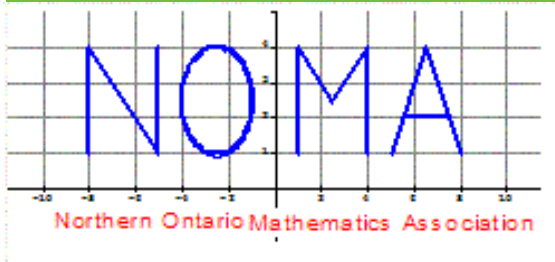


NOMA Spring Mini-Conference 2016



Join us for a series of workshops at
 Holy Cross Catholic Elementary School,
 2997 Algonquin Road, Sudbury Ontario
 Saturday, April 9, 2016
 8:30 am - 12:30 pm

You are cordially invited to attend an exciting Professional Learning Opportunity in Northern Ontario! NOMA invites you to our Spring Fling 2016, a series of workshops designed for K-12 educators and administrators. Participants select three sessions in order to enjoy an engaging morning of math learning.

WORKSHOP SESSIONS

SESSION 1 9:15-10:15	SESSION 2 10:25-11:25	SESSION 3 11:30-12:30
1A Exercise Your Mental Math Muscles	2A Delving into Classroom Inquiry	3A Learning Stations in P/J Math
1B Using iPads for Assessment	2B Hands On Learning in the Math Classroom	3B Bringing the Learning Trajectories to Life
1C/2C Connecting Math Thinking and Communication Through Technology (This is a double session)		3C Mathematics of the Ebola Outbreak



Agenda

8:30-9:00 Registration
 9:00-10:00 Session 1
 10:00-10:15 Break
 10:15-11:15 Session 2
 11:15-11:30 Break
 11:30-12:30 Session 3

TO REGISTER, PLEASE click here:

<https://www.surveymonkey.com/r/YJYJ8KV>

ALL SESSIONS ARE LIMITED TO 25 PARTICIPANTS

Payment (from non-members) by Cash or Cheque at the Event

You will receive an email confirmation of your registration once it has been processed.

FREE
REGISTRATION
 for OAME Members!
 \$10 /non-members

Session Descriptions and Presenters

Sheridawn Maloney - Laurentian University Math AQ Instructor

Session 1A Exercise Your Mental Math Muscles

Wonder why some people actually think math is FUN and EASY? Everyone who has a flexible sense of number feels this way and you can too! Skip your Saturday morning visit to the gym and come to a mental math workout instead. We will engage in different types of mental math activities and learn ways to play with number that makes math more engaging and easier for all learners. You will get a great mental math workout and leave with ideas you can use with learners of all ages.

Krista Sarmatiuk - Grade 3/4 FI Teacher, Sudbury Catholic DSB

Denise Filipovic - Primary Consultant, Sudbury Catholic DSB

Session 1B Using iPads for Assessment in Primary/Junior Mathematics

When trying to capture student thinking, the iPad is an invaluable tool. If you'd like to see samples of student-created products which demonstrate understanding, learn about apps and strategies you can use to capture conversations and observations, and walk away with a few activities to try in your own classroom, then join us for this session. Note that while the student work samples and observations reflect work in a Grade 3/4 French Immersion classroom, the ideas can be easily stretched K-12.

Session 3A Learning Stations in Primary/Junior Mathematics

Bringing inquiry into the math classroom is a current hot topic. Encouraging students to explore new concepts, to engage actively in practice, and to represent their thinking with a variety of tools can be achieved using Learning Stations which provide students with a cluster of activities all centered around a common concept. In my classroom, we use 4 learning stations and rotate through them, exploring a single concept from a variety of perspectives. Afterwards, we consolidate our thinking together, and construct another entry into our interactive math notebooks. If you're interested in seeing samples, having some time to work in a small group to create a set of stations for your classroom, and then benefiting from the collective creations of the group, please join this session, geared to Primary/Junior classrooms.

Cheryl Geoghegan - 7-12 Math Coordinator, Rainbow DSB

Sessions 1C & 2C (DOUBLE SESSION)

Connecting Math Thinking and Communication Through Technology

With the influx of technology into mathematics classrooms across the province, the issue arises around balancing the engagement of students with quality math thinking and learning. One avenue for bridging this gap might lie in the use of technology for communication of that thinking and learning, making it visible in the consolidation of a lesson. This session will explore some of the pros and cons of technology use, and will give participants the opportunity to work on iPad Mini devices to try some strategies themselves.

Tim Sibbald - Assistant Professor, Schulich School of Education

Session 2A Delving into Classroom Inquiry (Grades 7-10)

This presentation will lead a series of explorations where the participants will engage in various inquiries that lead to a deeper understanding of what inquiry means in a classroom setting. Please bring a calculator.

Session 3C Mathematics of the Ebola Outbreak (Grades 11-12)

During 2014 an unprecedented ebola outbreak took place. This session will present resources and mathematical details of the outbreak. The emphasis will be on data management but modelling, interpretation, and connection to human experiences will all be included. Resources will be made available to participants following the presentation.

Session Descriptions and Presenters

Christina Lucciantonio, Junior Teacher, Sudbury Catholic DSB

Session 2B Hands On Learning in the Math Classroom

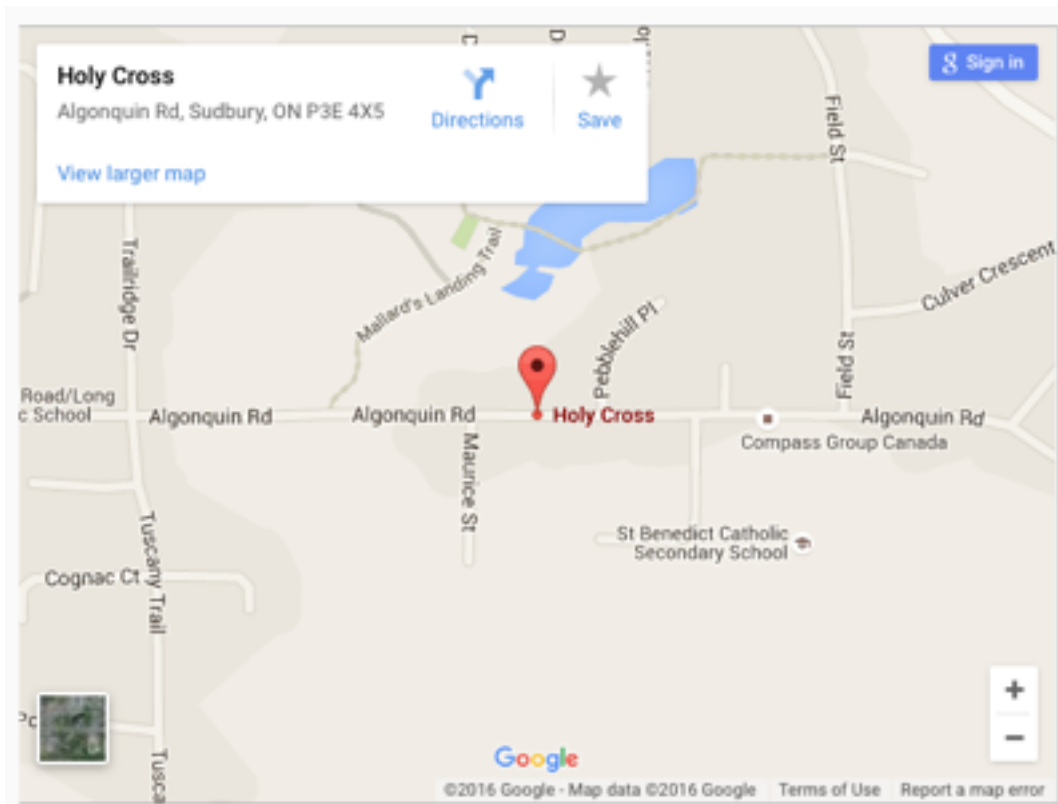
Learning by doing is a rewarding, enduring practice for students of all ages. This presentation will focus on exploring the math curriculum through the physical manipulation of recycled and bought materials. You will be provided with a take home list of ideas ready for use on Monday morning in your classroom. Designed for Grades 1 – 6.

Christine Nicholson, Catherine Norrie , Daria Dziuba , Cheryl Teolis -Primary Teachers , Rainbow DSB

Session 3B Bringing the Learning Trajectories to Life

Our TLLP team has been working hard at bringing Douglas Clements' math learning trajectories to life. This has made our job of understanding the curriculum expectations easier, because these trajectories are the foundational groundwork of our curriculum and are the integral part of how children learn mathematics. We have developed a website that can help educators 'SEE' video clips of students in action in each stage of each trajectory, in the first 3 chapters of his book, 'Learning and Teaching Early Math.' We have links to resources, games, tools, observation sheets and reflections to help teachers with their goal of supporting their students as they move through the trajectories.

Driving Directions:



<https://www.google.ca/maps/place/Holy+Cross/@46.4357941,-80.989833,17z/data=!3m1!4b1!4m2!3m1!1s0x4d2e5579f753a0d3:0x523490fd3b04f5c8>