

NOMA Spring Conference 2014

NIPISSING
UNIVERSITY

Schulich
SCHOOL OF EDUCATION



REGISTER ONLINE AT <http://www.oame.on.ca/mcis/index.php>
Registration Fees: OAME Members - \$10, Non-Members - \$20

SPACE IS LIMITED!

On the beautiful campus of NIPISSING UNIVERSITY in North Bay, Ontario

Saturday April 5, 2014

Please join us for an exciting Professional Learning Opportunity in NORTH BAY, as we **SPRING INTO MATH...WITH INTENTION!**

NOMA is working with support from Nipissing University's Schulich School of Education in order to provide this mini-Conference, designed for all K-12 Educators and Leaders. On **Saturday April 5, from 10:00am-1:00 pm**, educators will have the opportunity to engage in one of the following workshop sessions tailored to address key "hot topics" in math education.

GRADES K-6 FOCUS SESSION FACILITATOR

Marian Small



Marian Small is the former Dean of Education at the University of New Brunswick. She has been a teacher and professor of mathematics and mathematics education and is a regular speaker on K-12 mathematics throughout Canada and the US. She has been an author on seven text series at both elementary and secondary levels as well as eight books for the NCTM Navigation Series, *Making Math Meaningful to Canadian Students: K-8*, *Big Ideas from Dr. Small: Grades 4-8, Grades K-3, and Grades 9-12* published by Nelson Education Ltd., and *Good Questions: A Great Way to Differentiate Math Instruction K-8* and *More Good Questions: A Great Way to Differentiate Secondary Math Instruction (for Grades 6-12)*, jointly published by Teachers College Press, NCTM and Nelson Canada. She is also the author and principal investigator of the PRIME professional learning program. Her most recent books are *Eyes on Math: A Visual Approach to Teaching Math Concepts*, and *Uncomplicating Fractions*, both published by Teachers College Press.

K-6 FOCUS QUESTIONS

In this 3 hour session, Marian Small will work with participants as they navigate the possible learning intentions within curriculum expectations. The learning situations will cover a broad range of concepts.

Consider any curriculum expectation in mathematics.
What are the ideas that students should walk away with that relate to that expectation?
What types of tasks will bring those ideas out?
What questions will we pose to students, as we dig into their thinking?

GRADES 7-12 FOCUS SESSION FACILITATOR

Amy Lin



Amy Lin is a Secondary Math Teacher with the Halton District School Board who has also collaborated with Marian Small to write and illustrate several math books for educators. Most recently, she illustrated "Eyes on Math: A Visual Approach to Teaching Math Concepts" (Teachers College Press) and co-authored *More Good Questions: A Great Way to Differentiate Secondary Math Instruction (for Grades 6-12)*, jointly published by Teachers College Press, NCTM and Nelson Canada. She is President of Learning Forward Ontario, and has previously been seconded to work with the Ministry of Education on special projects for GAINS, including conducting research into the effective use of Gap Closing materials in the Junior and Intermediate Divisions. You can view her TEDx talk "Thinking Math-ish-ly" at <http://www.youtube.com/watch?v=0gW9g8Ofi8A>

7-12 FOCUS QUESTIONS

One "hot topic" in 7-12 math is the use of effective instructional and assessment for learning strategies in order to develop student thinking. Using the Grades 7-12 continuum of learning as a lens, participants will be guided through hands-on representations, the use of technology, visualization, differentiated instruction and assessment. In this 3 hour session, Amy Lin will use her considerable classroom and coaching experience as a starting point for discussions around such questions as:

How can I support struggling learners in my classroom?
How can I develop a math talk community in my classroom?
What is "no fear talk"? How can I use this strategy to prompt students to take risks, share their ideas and ask more effective questions?
How can I establish an environment for this type of learning in my classroom?
How can I ask better questions?
How can I step back and listen, so that there is more student talk happening in my classroom?
How can I provide feedback to students that will help them to work through misconceptions, have a deeper understanding of concepts and be more reflective thinkers?

CONFERENCE PARKING AND SESSION LOCATIONS



Please follow signs to the registration area. From there, you will be directed to your workshop location.



The Education Centre

Questions?

Please contact us via email!

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