

Now coming to North Bay!

Learn-to-Lead

with

Cathy Fosnot, Maarten Dolk, and Janan Hamm

Offered by Catherine Fosnot & Associates: New Perspectives

**For further information contact: Pat Luce, Event Planner
Plaustinlee@gmail.com**

October

19-20, 2017

Ramada Pinewood Park
Hotel
201 Pinewood Park Dr.

Register Now!

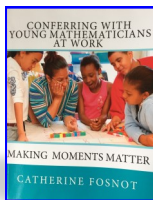
Contact Pat:
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Spaces are filling
up quickly!



Cathy Fosnot is CEO and President of *New Perspectives on Learning*. An award-winning author, she speaks around the world on the topics of numeracy and producing vibrant math communities in K-8 classrooms. She is the author of *Contexts for Learning Mathematics* and was the founding director of Mathematics in the City—a national center for professional development at The City College of New York.

She is also the senior content advisor for the award-winning internet environment, *DreamBox Learning* and the President of *New Perspectives on Assessment* and *New Perspectives Online*. Cathy has recently published several new CFLM units on geometry and measurement and a new book entitled *Conferring with Young Mathematicians at Work*. They are available on Amazon.com.



Maarten Dolk is a Dutch designer and researcher of mathematics education. Over the past 25 years, he has been associated with the Freudenthal Institute in the Netherlands, where he has been involved in the development of multimedia learning environments for teachers.

Presently he is involved in mathematics education projects in Bangladesh, Indonesia, and the Philippines. Maarten is co-author of the first three books in the *Young Mathematicians at Work* series; he also coauthored two of the early childhood CFLM units. Maarten is the CEO of *New Perspectives Online*.



Janan Hamm has worked with Cathy Fosnot for over 10 years, first as a workshop leader and staff member at Math in the City and then as a consultant to schools through *New Perspectives on Learning*. She left a career as a microelectronics process developer for MIT Lincoln Laboratories to become a mathematics and science teacher at the Murdoch Middle School, eventually serving as an instructional coach in mathematics for Boston Public Schools. Janan collaborated with Cathy on the NCTM publication *Models of Intervention: Re-weaving the tapestry*.

Day One: 9:30 AM—4:15 PM

Deepen your own mathematics and experience math workshop, poster, and math congress firsthand.

Experience and analyze a rich library of video of teachers and children really *doing* mathematics, some of which was filmed in Canadian classrooms.

Learn how to help teachers plan and use powerful evidence-based sequences of investigations crafted to ensure deep learning.

Examine clips of children at work and explore learning trajectories for early number sense, addition and subtraction, multiplication and division, and fractions.

Learn how to use these developmental trajectories for assessment, conferring, and planning congresses.

Explore mini-lessons crafted with strings of related problems designed to support a repertoire of mental math strategies.

Day Two: 8:30 AM—3:15 PM

Analyze and use various representational models in powerful ways as tools to support numeracy.

Learn how to design and implement strings of related problems to ensure the development of numeracy.

Study powerful questioning and conferring.

Examine learning trajectories on teacher change as teachers work to reform their practice and learn how to identify change and support it.

Discuss models of professional learning that work and the research that supports them.

Engage in group planning for your own site.

Sponsored by the Mathematics Leadership Community of Practice of the Mathematics Knowledge Network:
<http://mkn-rcm.ca>

