GAINS Growing Accessible Interactive Networked Supports in Mathematics Education

Math GAINS Summer Camp – Professional Learning Opportunity

Grade 7-12 teachers are invited to participate in the *Math GAINS Summer Camp*, from August 18th – 22nd, 2008 at Hidden Valley Resort in Huntsville. The cost of accommodation, meals and travel are paid in full by the Ministry of Education GAINS initiative. Spaces are being offered on a first come, first serve basis. A $100 deposit cheque payable to CODE is required to secure a space. The cheque will not be cashed unless you do not attend and do not cancel in advance. Uncashed cheques will be returned on August 22nd.

In an effort to support participants in their journey to support all learners, this professional learning experience will provide team members with the opportunity to explore differentiated instruction within the mathematics classroom. With a focus on teaching through problem solving, participants will engage in hands-on, functions-based problem solving activities, and will experience the sharing of their collective *thinkpad* of learning through the use of Japanese *Bansho*. Through the analysis of video archives, participants will deepen their understanding of teaching through problem solving, and examine ways in which it supports differentiated instruction, and assessment for learning.

Board team members will have the opportunity to choose one of five breakout sessions as an area of focus for the *Math GAINS Summer Camp*:

- Effective uses of Manipulatives and Technology - Judy Dussiaume, Greg Clarke, Ross Isenegger, Judi Hanta
- Teaching through the Mathematical Processes – Anne Yeager, Rod Yeager
- Functions-Based Curriculum – Trish Byers, Anthony Azzopardi
- Consistency and Alignment of Assessments of Learning – Liisa Suurtamm, Mary Lou Kestell

The plenary sessions will be:

- Differentiated Instruction – Marian Small
- Teaching through Problem Solving – Kathy Kubota-Zarivnij

Over the course of the five days, participants will have the opportunity to share experiences, ideas and insights from whole group and breakout sessions, with board and cross-board colleagues. It is our hope that participants who are interested in furthering their professional learning in one or more of these areas, whether within or across boards, will continue their journey into the next school year.

A tentative schedule of the Math GAINS Camp activities is provided below.

Day	Time	Focus
Monday August 18th	*12:00pm – 1:00 pm*	*Lunch*
	1:00pm – 1:30pm	Welcome
	1:30 pm - 2:45 pm	Introduction to Differentiated Instruction
	2:45 pm – 3:00 pm	*Break*
	3:00 pm – 4:00 pm	Introduction to Differentiated Instruction (continued)
	4:00 pm – 6:00 pm	*Networking Time*
	6:00 pm – 7:00 pm	*Dinner*
	7:00pm – 8:45 pm	Teaching through Problem Solving
Tuesday August 19th	*7:30 am – 8:30am*	*Breakfast*
	8:30 am – 10:15 am	Teaching through Problem Solving
	10:15 am – 10:30 am	*Break*
	10:30 am – 12:15 pm	Differentiated Instruction
	12:15 pm – 1:15 pm	*Lunch*
	1:15 pm – 2:15 pm	Focused Breakout Session
	2:15 pm – 2:30 pm	*Break*
	2:30 pm – 3:30 pm	Focused Breakout (continued)
	3:30 pm – 6:00 pm	*Networking Time*
	6:00 pm – 7:00 pm	*Dinner*
	7:00pm – 8:30pm	Focused Breakout (continued)
Wednesday August 20th	*7:30 am – 8:30am*	*Breakfast*
	8:30 am – 10:15 am	Differentiated Instruction
	10:15 am – 10:30 am	*Break*
	10:30 am – 12:15 pm	Teaching through Problem Solving
	12:15 pm – 1:15 pm	*Lunch*
	1:15 pm – 2:15 pm	Focused Breakout Session
	2:15 pm – 2:30 pm	*Break*
	2:30 pm – 3:30 pm	Focused Breakout (continued)
	3:30 pm – 6:00 pm	*Networking Time*
	6:00 pm – 7:00 pm	*Dinner*
	7:00pm – 8:30pm	Focused Breakout (continued)
Thursday August 21st	*7:30 am – 8:30am*	*Breakfast*
	8:30 am – 10:15 am	Teaching through Problem Solving
	10:15 am – 10:30 am	*Break*
	10:30 am – 12:15 pm	Differentiated Instruction
	12:15 pm – 1:15 pm	*Lunch*
	1:15 pm – 2:15 pm	Focused Breakout Session
	2:15 pm – 2:30 pm	*Break*
	2:30 pm – 3:30 pm	Focused Breakout (continued)
	3:30 pm – 6:00 pm	*Networking Time*
	6:00 pm – 7:00 pm	*Dinner*
	7:00pm – 8:30pm	Focused Breakout (continued)
Friday August 22nd	9:00am – 12:00pm	Next Steps: Sharing Records of Practice, Identifying Nodes for Continued Dialogue
	12:00pm – 1:00pm	Lunch (brown bagged)

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Math GAINS Summer Camp – Professional Learning Opportunity – Teacher Application Form

Name: _____

Email: _____ (to June 29th)

_____ (after June 29th)

School Board: _____ Position: _____

Grade(s) taught: _____

School Address:

Street/Mailbox: _____

Town/City: _____ Postal Code:_____

Phone Number: _____Alternate: _____

Summer Address:

Street/Mailbox: _____

Town/City: _____ Postal Code:_____

Phone Number: _____ Alternate: _____

Breakout Session Selection

This is for planning purposes only. Actual selection will be made on Monday August 18th. Please indicate your first and second choices.

- ☐ Effective uses of Manipulatives and Technology
- ☐ Teaching through the Mathematical Processes
- ☐ Functions-Based Curriculum
- ☐ Consistency and Alignment of Assessments of Learning

Accommodation and Meal Information

Preferred Roommate: _____

_____

Dietary Concerns:

Return completed form and deposit cheque to:
Shelley Yearley, 239 Stephenson Road 12 East, RR #3, Utterson, ON P0B 1M0