

Thinking Strategies in Mathematics: Grades 6-12

Modeling and Developing Expert Thinking in the Mathematics Classroom

February 17 and 18, 2015

How can we teach math for understanding? What can teachers do when students have a general lack of number sense and reasoning and an inability to use mathematics in everyday situations? Which strategies will increase students' confidence and competence as mathematicians? Join mathematics instructional specialists, Sheri Brittenham and Kim Estes, as they facilitate an engaging and informative two-day Thinking Strategies Institute to answer these and other essential questions focused on middle and high school mathematics. This institute will provide teachers with tools to develop mathematical literacy, *or numeracy*, in students and help students learn to generate questions to monitor and repair understanding, predict and infer, reason with numbers and become numerate thinkers.

During this institute, participants will:

- Gain foundational knowledge of strategies to raise student comprehension in math
- Acquire practical ways to incorporate thinking strategies into their classrooms
- Experience student-centered tasks with embedded strategies to help students think through and make sense of the math
- Craft lessons using the Workshop Model
- Learn strategies to increase student participation and discourse in the classroom
- Leave with sample lessons and answers to the question, "How can I do this in my math class...tomorrow?"

PGES Connections

Domain 1: Planning & Preparation

- *Component 1e: Designing Coherent Instruction*

Domain 2: Classroom Environment

- *Component 2b: Establishing a Culture for Learning*

Domain 3: Instruction

- *Component 3b: Using Questioning and Discussion Techniques*
- *Component 3c: Engaging Students in Learning*

Domain 4: Professional Responsibilities

- *Component 4e: Growing and Developing Professionally*

Audience:	Mathematics Teachers, Special Education Mathematics Teachers/Co-teachers, Curriculum Coordinators, Instructional Coaches
Dates:	February 17 and 18, 2015
Location:	GRREC Training Center – 230 Technology Way - Bowling Green, KY 42101
Time:	8:30 a.m. -3:30 p.m. (Central Time) Registration and Continental Breakfast will begin at 8:00 a.m. Lunch is on your own.
Cost:	\$200 GRREC districts \$400 Non-GRREC districts
Materials:	<u>Teaching Numeracy, 9 Critical Habits to Ignite Mathematical Thinking</u>

Registration Form

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Please Print:

Name: _____ Position: _____

School: _____ District: _____

Courses/Grade Levels Teaching: _____

Email: _____ Cell Phone #: _____

P.O. # _____ (required for registration)

Note: School districts (or schools) will be billed following the activity based upon registration. Cancellations must be made within five (5) working days of the activity to avoid being billed for fee. Substitutions will be allowed.

Space is limited to 60 participants.

[Click Here to Register Online](#) or

fax this completed form to GRREC at (270) 563-2208.

Registration Deadline: Monday, February 13, 2015

Sponsored by

Green River Regional Education Cooperative

230 Technology Way, Bowling Green, KY 42101

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www.grrec.ky.gov

Questions?

Contact Kim Estes at (270) 563-2113 or e-mail kim.estes@grrec.ky.gov