

Elementary Mathematics Summer 2008

What research says about Teaching for Understanding:

- "Instructional programs that emphasize conceptual development, with the goals of understanding, can facilitate significant mathematics learning without sacrificing skill proficiency."
-Heibert, NCTM, 2003
- "Students who memorize facts or procedures without understanding often are not sure when and how to use what they know, and such learning is often quite fragile."
-NCTM, 1999
- "Students who develop conceptual understanding early perform best on procedural knowledge later."
-Grouws & Cebulla, 2000

For more information, or if you require an accommodation or other assistance in order to participate in this activity sponsored by Prairie Lakes AEA 8, please contact any team member.

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Questions? Contact Your AEA Math Leadership Team Members

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YEAH! Elementary Mathematics Summer '08



**A professional
development opportunity
to support mathematics
and special education
teachers in grades K-6,
administrators, and
AEA Building
Representatives**

Summer '08 Elementary Mathematics!

Registration Form

Dates and Location:

Laurens Marathon Schools
Laurens, Iowa

June 11, 12, & 13, 2008
9:00 AM to 3:30 PM each day

Participants will deepen their knowledge of teaching for understanding, their understanding of best practices in teaching mathematics, and how to utilize formative assessment to make modifications to their current curriculum within the Iowa Decision Making Model for Core, Supplemental, and Intensive Instruction.

- On June 11, four breakout sessions, differentiated for Elementary, Middle School, and High School, will be held. This purposely overlaps with the Secondary Math Institute held June 9-10.

The four topic areas for breakouts include:

- Tools of the Trade
- Process Standards
- Literature Connections
- Technology

Teaching Elementary Mathematics will be explored through the use of:

- Teaching for Understanding
- The Iowa Decision Making Model
- Formative Assessment
- Differentiation

Participants will:

- attend three days of training
- participate fully in activities
- complete reflection journals
- create materials for classroom use

Iowa Teaching Standards:

- Demonstrates competence in planning and preparing for instruction.
 - Selects strategies to engage all students in learning
- Use strategies to deliver instruction that meets the multiple learning needs of students
 - Uses research-based instructional strategies that address the full range of cognitive levels
- Engages in professional growth
 - Demonstrates habits and skills of continuous inquiry and learning

Credit and Cost:

Registration \$10.00

PLUS

- 1 License Renewal Credit - \$60
- 1 Morningside Graduate Credit - \$110
- 1 Drake Graduate Credit - \$135

If interested, send registration form and \$10 registration fee by May 16, 2008.

If you wish to take the class for credit, you will register on site and pay for credit the first day of class.

Elementary Mathematics Summer '08

Submit registration by **May 16, 2008** by van mail or fax to:

Kathy Newcomb, Fax 515-574-5336
1235 5th Ave. South knewcomb@aea8.k12.ia.us
Fort Dodge, IA 50501

Name _____

School District/Building _____

Work Phone _____

Home or Cell Phone _____

Work Email _____

Home Email _____

Form of payment: _____

Check/P.O. # _____

Amount \$10.00 Registration Fee for class _____

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Credit option Payable first day of the institute