

## TI-nSpire Graphing Calculator-The Beginning Summer, 2008

In "How People Learn" research tells us that technology:

- Helps to create an active environment so students not only solve problems, they create their own problems.
- Is used to scaffold thinking and activity, so it enables learners to do more advanced activities and to engage in more advanced thinking and problem solving.

NCTM research states:

- Results revealed that students' operational skills and problem-solving skills improved when calculators were an integral part of testing and instruction.
- Technology used appropriately to support students' learning of mathematics, not as a crutch or a replacement for the mastery of important concepts and skills.

*From Principles and Standards for School Mathematics:*

***Technology is essential in teaching and learning mathematics; it influences the mathematics that is taught and enhances students' learning.***

## Questions? Contact Your AEA Math Leadership Team Members

### Zone 1

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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 above.

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**Prairie Lakes AEA is excited to offer a professional development opportunity that supports high school math teachers incorporating the latest technology into the classroom.**



**TI-nSPIRE-  
The Beginning!**



# Summer 2008 TI-nSPIRE-The Beginning

## Registration Form

### Date and Location for Summer, 2008

Prairie Lakes AEA  
500 N.E. 6<sup>th</sup> Street  
Pocahontas, IA 50574

Monday, June 23  
and Tuesday, June 24<sup>th</sup>  
8 AM to 4:30 PM each day

#### Presenters:

**Mike Baker**

Math teacher  
Akron-Westfield Community School

**Tracy Wingert**

Math teacher  
LeMars Community High School

#### Contact person for all questions:

**Sheila Remington**  
[sremington@aea8.k12.ia.us](mailto:sremington@aea8.k12.ia.us)

Math Consultant, Prairie Lakes AEA  
Storm Lake, IA 50588  
(712) 732-2257

#### Goal of the class:

Participants will become familiar with the capabilities and operation of the TI-nSpire Calculator.

Participants will start building lesson plans integrating this technology to deepen students' conceptual understandings of mathematics.

### Meets the following Iowa Teaching Standards:

**Demonstrates competence in planning and preparing for instruction.** The teacher uses available resources, including technologies, in the development and sequencing of instruction.

**Uses strategies to deliver instruction that meets the multiple learning needs of students.** The teacher uses research-based instructional strategies that address the full range of cognitive levels. The teacher uses available resources, including technologies, in the delivery of instruction.

**Engages in professional growth.** The teacher demonstrates habits and skills of continuous inquiry and learning. The teacher works collaboratively to improve professional practice and student learning. The teacher applies research, knowledge, and skills from professional development opportunities to improve practice.

**Fulfills professional responsibilities established by the school district.** The teacher collaborates with students, families, colleagues, and communities to enhance student learning.

#### Credit and Cost:

Registration \$10.00  
+PLUS, if credit is desired:  
1 License Renewal Credit - \$60.00  
1 Morningside Graduate Credit - \$110.00  
1 Drake Graduate Credit - \$135.00  
Lunch provided for \$5.00 each day  
If interested in the class, send registration form and registration fee (\$10) in by **May 16, 2008.**  
If you wish to take the class for credit, you may register on site and pay for credit the first day of class or you may sign up through Avatar.  
<https://aea8.avatarlms.com/login.html#0>

### TI-nSpire – The Beginning Summer '08

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

Kathy Newcomb, Fax 515-574-5336  
1235 5<sup>th</sup> Ave. South, [knewcomb@aea8.k12.ia.us](mailto: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. # \_\_\_\_\_

Am't \$10.00 Registration Fee for class \_\_\_\_\_ \$5 Lunch on Mon. \_\_\_\_\_ \$5 Lunch on Tues. \_\_\_\_\_

Total enclosed \_\_\_\_\_

+Plus 1 License Renewal Credit \$60 or 1 Morningside Credit \$110 or 1 Drake Credit \$135 (If Desired)