Next UETCTM Meeting Tuesday, February 13
Our fourth meeting of the Upper East Tennessee Council of Teachers of Mathematics will take place on Tuesday, February 13, 2007, at Northeast State Technical Community College. As usual, we will start with refreshments and a social time at 4:00. At 4:30 we will have business meeting in which we will again try to select a new president-elect for 2006-07. Following the business meeting, we will have presentations made by several Northeast State faculty members.

Directions: Northeast State is next to the Tri-Cities Regional Airport on State Highway 75. (Take the Gray/SR 75 exit off I-26 or the airport/SR 357 exit off I-81.)
The meeting will be held in the Faculty-Staff Dining Room next to Subway in the Student Services Building (where the auditorium is), not in the library as in years past. Turn right after the entrance road dead-ends. A parking permit is not needed. You can find a campus map online at http://www.northeaststate.edu/default.asp?DocumentID=355 or a small one on the back page.

Needed: President-Elect
Please, please, please, this is a begging issue now! The office of president-elect for the 2006-07 school year is still vacant and needs to be filled so we can have a president in 2007-08. We will ask for nominations at the business meeting.

Visit our website at www.uetctm.org! Look for pictures of previous meetings, old newsletters, and more. A membership form is available on the website.

Upcoming events
National Council of Teachers of Mathematics Annual Meeting
NCTM information is online at http://www.nctm.org.

TMTA Math Contest
Tuesday, April 17, 2007

Middle School Math Day is back!
It is scheduled for April 28, 2007 and will be held at Volunteer High School. We are still planning the specifics for the day, but be sure to mark your calendars and watch for more details
coming soon. If anyone is interested in teaching a workshop for the event, please contact Julia Grecol at grecolj@hck12.net.

Tennessee Mathematics Teachers Association Annual Meeting
September 20-22, 2007, Bearden High School, Knoxville

National Association for Developmental Education Annual Conference
March 21-24, 2007, Gaylord Opryland Resort & Conference Center, Nashville
http://www.nade2007.net
(NADE is an organization of people who work with underprepared college students, including math, reading, composition, and learning strategies courses. There will be quite a few math sessions. UETCTM president Daryl Stephens is also the outgoing chair of the Mathematics Special Professional Interest Network – see www.nademathspin.org for more information about this group.)

| AMATYC Outer Banks Summer Institute “Developmental/Remedial Algebra Using a Function Approach” |
| The Outer Banks of North Carolina |
| June 17 – June 22, 2007 |

Conceptual Foundation "A Function Approach":
Teaching algebra from a function approach requires the use of function and function behaviors to teach algebraic concepts and skills such as factoring, equation solving, arithmetic operations on polynomials, systems of equations, inequalities, properties of inequalities, definitions, concept of asymptotic behavior, absolute value, slope, laws of exponents, etc. Using unique materials, we will reorder the algebra content and use function concepts to develop understanding of, interest in, and long-term memory of traditional algebraic ideas. We will capitalize on cognitive processes of associations, pattern building, attention, visualizations, meaning, the enriched teaching environment, distributed learning, and priming. We will model how to teach developmental/remedial algebra through a function approach with graphing calculators, and demonstrate why they are crucial to teaching and learning.

Guiding Questions:
During the Outer Banks Summer Institute we will briefly review the literature on neuro/cognitive science research of the brain with the expectation that it may answer questions like: How can we foster long-term memory? How can we develop understanding? Is pattern-building better than reasoning when trying foster understanding of algebra? Will memorizing produce long-term memory? Will practice? How is an emotional connection (meaning) related to memory, attention, and understanding? Do we need to “connect” a mathematical concept/skill to other algebraic concepts? To the real world? Can’t we make learning faster? How can we more likely create correct recall of algebra taught? This may sound like rather high expectations, but research in the cognitive and neurosciences have advanced considerably in the last 15 years, and now is the time to interpret the results and implement what we can to teaching and learning of developmental algebra.

Teaching Tools:
At the 9th annual AMATYC Outer Banks Summer Institute we will use the TI-84 Plus SE, TI-CBL2, and Vernier EasyLink, as tools of choice when teaching remedial/developmental algebra.

Instructors:
Debbie Crocker, Appalachian State University; Ed Laughbaum, The Ohio State University

Location:
The Institute will be held on the Outer Banks of North Carolina near the village of Duck at the Army Field Research Facility (FRF) <http://www.frf.usace.army.mil/>. The classroom is adjacent to the beach.

Registration and Information:
See http://www.amatyc.org/Events/summer-institutes.htm for the registration form. For reports and pictures from earlier years, see www.math.ohio-state.edu/~elaughba/ The deadline is May 1st.
Meeting Within a Meeting
ASA Program for Math/Science Teachers
Based on *Guidelines of Assessment and Instruction of Statistics Education (GAISE)*,
which complements *NCTM Principles and Standards for School Mathematics* and
*NCTM Curriculum Focal Points for Prekindergarten through Grade 8 Mathematics*
Sponsored by the American Statistical Association
2007 ASA Joint Statistical Meetings

Date:   Monday, July 30, 2007
Place:   Salt Palace Convention Center, Salt Lake City
Audience:  Middle School and Junior High Math and Science Teachers
Teachers:  Submit applications, letter of intent, and letter from principal, all due March 1, 2007***.
Objectives:  Enhance understanding and teaching of statistics within the math curriculum based on conceptual understanding, active learning, real world data, and appropriate technology
Content:  Based on standards, assessments, and textbooks Consistent with *GAISE* recommendations (www.amstat.org/education/gaise), *NCTM Principles and Standards for School Mathematics*, and *Curriculum Focal Points for Prekindergarten through Grade 8 Mathematics* (www.nctm.org/focalpoints)
Format:  One-day meeting Activity-based sessions, including lesson plan development Lunch and dinner followed by panel discussion Overnight stay with optional activities on Tuesday
Provided:  Registration cost Meals and refreshments One night of lodging (Monday night) Handouts Professional development half-credit for 7–13 contact hours (if possible) Certificate of Participation from the ASA
Follow-up:  Program evaluation for future follow-up workshops Development of listserv with questionnaires ASA chapters network with local teachers to organize learning communities
Contact:  Rebecca Nichols, rebecca@amstat.org; (703) 684-1221, Ext. 1877

***Space is limited. If interested in attending, please contact Rebecca as soon as possible.***
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Have you renewed your membership? If not, this may be your last newsletter. Go to www.uetctm.org and print out a membership renewal form and bring it with your dues to the next meeting (or mail it in to the address on the form).

Map of Northeast State; Student Services Building is circled.