


UETCTM News

Volume 6 Issue 2

October 13, 2005

The Upper East Tennessee Council of Teachers of Mathematics will host its second meeting of the 2005-2006 school year on Tuesday, October 18th at Science Hill High School (look for signs for room numbers). Contact person: Floyd Brown

4—430: Refreshments;
430—5: Business Meeting
5—530, George Poole, Elementary Middle
Talk;
530-6, Tara Peters, High School talk
(The talks will be back-to-back, not held
simultaneously)

George Poole, Sandbox Mathematics

It's been four years since my conversion experience at San Diego State University under the "educator evangelist" After viewing several video clips (IMAP Project) of children solving problems and performing arithmetic in nonstandard creative ways, I decided to become involved in the training of prospective elementary teachers. I had much to learn, and arrogance was soon replaced by humility. Everyone in elementary mathematics education knows of Liping Ma's book, *Knowing and Teaching Elementary Mathematics*. However, I think few teachers, and teachers of teachers, realize the meaning of her "Profound Understanding of Fundamental Mathematics" (PUFM). I think most elementary teachers do not see themselves as integral links in a continuous chain-like development of mathematics that includes arithmetic and problem solving. I would like to share a few things I have learned that might help prospective elementary teachers overcome anxieties, build confidence, and become empowered teachers capable of creating exciting learning environments for their students.

Tara Peters, Mathematics of Quilting

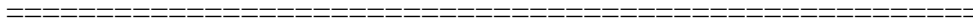
I enjoy doing "across the curriculum" projects in math, and this one applies more to home economics. I will be showing the mathematics (the geometry and algebra) of the "**cathedral window quilt**." I plan to do a hands-on activity with various cutouts that demonstrates the **construction process** of this quilt design--a good hands-on activity that could be used in one's classroom, particularly geometry. I believe that both men and women can gain an appreciation for quilting from this activity! Time permitting, I can also talk about the mathematics found in other quilting designs.

Directions to SHHS: From Kingsport: Take I-26 towards Johnson City and take exit 35 (Roan Street). Turn right onto Roan Street and travel for approximately 1.5 miles. Science Hill High School will be on your right.

<u>2005-2006 Meetings</u>
LOCATIONS TO BE ANNOUNCED
November 14, 2005
February 14, 2006
April 10, 2006
May 9, 2006

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Franklin Math Bowl

The Franklin Math Bowl will be held on November 12 at ETSU. Contact Person, Michel Helfgott, Helfgott@etsu.edu

UETCTM Scheduled Meetings

The following is a schedule of the upcoming UETCTM scheduled meeting dates. Location and speakers will be announced later.

Monday November 14;
Tuesday February 14;
Monday April 10;
Tuesday May 9

Possible MS Mathematics Education Cohorts

ETSU has launched two MS Programs in Pre-Collegiate Mathematics. See <http://www.etsu.edu/math/precollegiate/precollegiate-math.htm> for details.

1. IT IS LIKELY (subject to funding) that a new K-8 cohort will begin in January 2006 with FULL TUITION support. Teachers from partner districts (Elizabethton City, Hancock County, Johnson County, Unicoi County, Kingsport City) are particularly invited, but applications are welcome from ALL K-8 teachers. Classes will be at ETSU once a week. Please tell your colleagues and contact Anant Godbole, godbolea@etsu.edu for more information.
2. IT IS ALSO LIKELY that a new 7-12 cohort will start in January 2006 at the ETSU Bristol Campus, unfortunately with no initial support. Please tell all your colleagues. Contact Anant Godbole, godbolea@etsu.edu for information.

CAVEATS:

These programs will not provide licensure or an add-on. They are intended to provide a deep understanding of the math teachers will use in the classroom.

MATH and BIOLOGY SYMBIOSIS

UETCTM members Tara Peters, Floyd Brown and Pat Jungkeit will soon be coming to your school to recruit HS seniors for a new program at ETSU – Quantitative Biology. Students will earn \$500, \$1500, \$2500, \$3500 in undergrad research stipends their HS senior year, and freshman, sophomore and junior years in college respectively. KEEP your eyes wide open to IDENTIFY students who are

- Motivated;
- Would like to go to ETSU, more or less on a free ride;
- Do NOT, I REPEAT NOT have a burning desire to do math or biology – we are looking for persons who are more or less “undecided”.

Membership Application

Complete & return to Floyd Brown with a check for \$10 made payable to UETCTM. Completed Application and check may be mailed to Floyd Brown, Science Hill High School, Mathematics Dept., 1509 John Exum Parkway, Johnson City, TN 37604

Name: _____

Home Address: _____

Home Phone: (_____) _____

School: _____

School Address: _____

School Phone: (_____) _____

Email Address: _____

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Inside This Issue:

MS Cohorts
Math Biology major