

The TMTA Bulletin

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Keep in touch!

Do you have an article to share? New Ideas? News?
Lesson Plans? Teaching Strategies?
Submit your article for the next TMTA Bulletin to
Sandy Christen at christendk@comcast.net

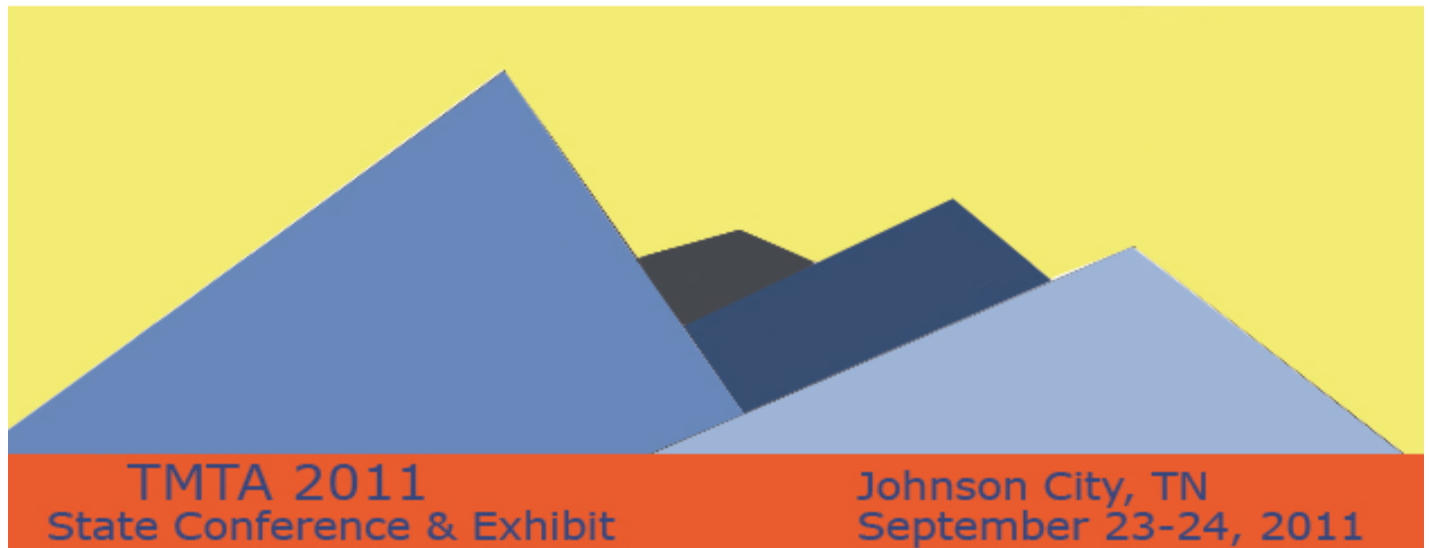
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(UT Martin)

Save the date!
The TMTA Fall Conference
will be held
September 23rd and 24th, 2011
at ETSU



TMTA Fall Conference East Tennessee State University

The Fall TMTA Conference will be held this year at ETSU in Johnson City, Tennessee. Ryan Nivens (nivens@etsu.edu) is the chairperson for this conference.

Current proposals are to have a variety of sessions per time slot. For example, plans are to include elementary, middle school, high school, post secondary, "table chats", pure mathematics, STEM, and NCTM learn/reflect strands.

The TMTA business meeting and TMTA affiliate meetings will also take place during the conference.

Vendors will be setting up exhibits from companies such as ETA Cuisenaire, many textbook publishers, Texas Instruments, Casio and A+ Compass, to name a few.

The registration fee will include the cost of the banquet. Winners of the TMTA state math contest are honored at this time.

Keep an eye on the TMTA website for registration forms, updates and more details as they become available.

Following a rotating cycle, the 2012 Fall Conference will be in Middle Tennessee (Tennessee Tech), the 2013 Fall Conference will be in West Tennessee (UT Martin), and the 2014 Fall Conference will be in East Tennessee (possibly UT Chattanooga).

If you wish to contribute in any way to this year's Fall Conference, please contact Ryan Nivens from ETSU. A dedicated email account for all conference correspondence is: TMTA2011@gmail.com

From Tennessee State Commissioner of Education, Bruce Opie (December, 2010)

The Tennessee Common Core transition plan is currently under development and much of the work is connected with the implementation of the new Common Core assessments to be fully implemented in the 2014-2015 school year. Tennessee is part of a 26 state consortium participating in the PARCC (Partnership for the Assessment of Readiness for College and Careers) assessment consortium. The guidance for test development is just beginning and no information is available at this time concerning test item development. However, the current Tennessee test data will be used with the new teacher evaluation model. Additionally, the Tennessee Standards are closely aligned with the content of the Common Core Standards. Textbooks aligned to the Tennessee Standards will still be relevant when the state moves to a full adoption of the Tennessee Common Core Standards.

PARCC Timeline



Tell Tennessee – Governor Bill Haslam and the Tennessee Department of Education want to ensure all educators have a supportive environment to help students achieve. The TELL Tennessee (**T**eaching, **E**mpowering, **L**eading, and **L**earning) Survey is the first state wide opportunity for teachers and licensed staff in Tennessee to provide input on their learning environment. The survey launches *February 14 through March 11, 2011*. Survey results will be available online mid-April 2011. To take the survey, for more information or to view the real time response rates for Tennessee schools, visit www.telltennessee.org

Texas Instruments calculates Coles' success



Texas Instruments Educational Technology Consultant Ron DeChristoforo and Brentwood Middle School Teacher Lois Coles

On Feb. 5, Texas Instruments presented Brentwood Middle School math teacher **Lois Coles** with the Texas Instruments Award of Excellence during the Middle Tennessee Mathematics Teachers Conference at Ravenwood High School.

Coles was chosen for this honor in recognition of her exceptional dedication and commitment to students and colleagues over her career in education.

"We are proud to know Lois and are encouraged in our work at Texas Instruments by the work she does," said Texas Instruments Educational Technology Consultant Ron DeChristoforo. "She educates students, she works with her colleagues and she advances math education."

Texas Instruments will also be giving two BMS students TI Nspire calculators every year in honor of her dedication and service. Congratulations Lois!



Battelle for Kids is a national not-for-profit organization that provides strategic counsel and innovative solutions for today's complex educational-improvement challenges. (<http://www.battelleforkids.org/>)

Tennessee Portal

Welcome Tennessee Educators!

This portal provides statewide access to Battelle for Kids' professional development, online learning and resources designed to accelerate K-12 public school districts' efforts to increase student progress and achievement statewide as part of First to the Top.

<http://portal.battelleforkids.org/tennessee/>



Tennessee Math Education Scholarship

Dr. Henry Frandsen Scholarship for Teachers

The **Dr. Henry Frandsen Scholarship for Teachers** was first awarded in September 2000. It is awarded to a post-secondary student who has declared an appropriate major and is committed to teaching mathematics in Tennessee at either the secondary or elementary level.

Past Winners:

- 2000: Lisa Donegon (Austin Peay State University)
- 2001: John Robert Perrin
- 2002: Roger Taylor (Austin Peay State University)
- 2003: Roger Taylor (Austin Peay State University)
- 2004: Brandon Banes (Lipscomb University)
- 2006: Kelly Barbra (Tennessee Wesleyan College)
- 2007: Chantelle Therrien (University of Tennessee Knoxville)
- 2008: Nicole Gary (UT-Martin)

A completed application must include the following:

- 1) [Scholarship application form](https://spreadsheets.google.com/viewform?formkey=dFk3VU5NWV9EOUNUVFRpVTFoZy1QdUE6MQ): To apply, click on the following link(or paste it in your browser):
<https://spreadsheets.google.com/viewform?formkey=dFk3VU5NWV9EOUNUVFRpVTFoZy1QdUE6MQ>
- 2) a brief statement of educational/career plans as they relate to teaching mathematics
- 3) current official transcript
- 4) two sealed letters of recommendation, at least one of which must be submitted by a faculty member of the mathematics department, and BOTH of which must address the applicant's commitment to teaching

➤ **Application Deadline for 2011: May 1**

Tennessee Math Education Mini-Grant

TMTA Mini-Grant

The Tennessee Mathematics Teachers Association will award a \$1,000 mini-grant to a Tennessee math teacher to be used for technology or manipulatives. In order to be eligible, your school or district must demonstrate financial need and you must attend the 2011 TMTA Fall Conference in the Tri-Cities area (ETSU, Johnson City) to receive your award.

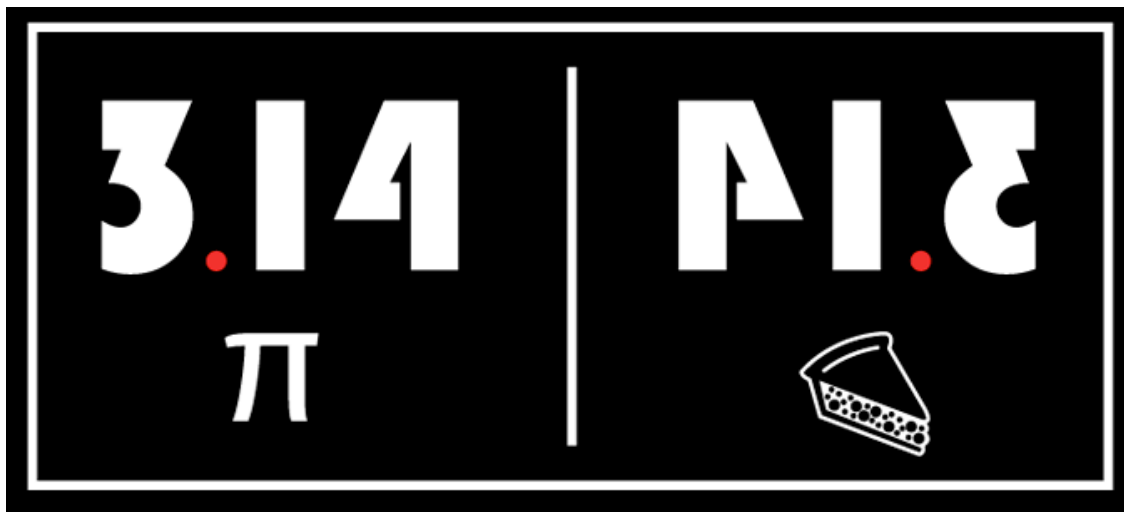
The award recipient will be required to present a session on how they used the mini-grant to enhance their classes at the following year's Fall Conference at Tennessee Tech in 2012.

To apply, go to the TMTA webpage and click on Grant Opportunities.

Or, click on the following link: <http://www.tmta.info/grant.php>

➤ **Application Deadline for 2011: May 1**

Reflections on π



TMTA Affiliates

TMTA affiliates:

❖ **Chattanooga Area Mathematics Teachers' Association - CAMTA**

President: Susan White

Membership Dues: \$5.00

To join, send check (payable to *Chattanooga Area Mathematics Teachers' Association*) to:

Susan White

4501 Amnicola Hwy,

Chattanooga, TN 37406-1018

❖ **Mathematics Teachers of Tennessee Northwest - MT²NW**

President: George Moss

Membership Dues: \$10.00

To join, send check (payable to *Mathematics Teachers of Tennessee Northwest*) to:

Patty Flowers,

872 Harrison Rd,

Martin, TN 38237

❖ **Memphis Area Council of Teachers of Mathematics - MAC-O-TOM**

President: Kenneth Stalls

Membership Dues: \$5.00

To join, send check (payable to *Memphis Area Council of Teachers of Mathematics*) to:

Michael Morrison,

294 Crestmont Cove,

Cordova, TN 38018-6904

❖ **Middle Tennessee Mathematics Teachers - MTMT**

President: Deb Crable

Membership Dues: \$5.00

To join, send check (payable to *Middle Tennessee Mathematics Teachers*) to:

Lois Coles,

211 St. Andrews Drive,

Franklin, TN 37069-7047

❖ **Smoky Mountain Mathematics Educators' Association - SM²EA**

President: Connie Boyd

Membership Dues: \$5.00

To join, send check (payable to *Smoky Mountain Mathematics Educators' Association*) to:

Connie Boyd,

12013 Broadwood Drive,

Knoxville, TN 37934-4686

❖ **Tennessee Mathematics Association for Two Year Colleges - TMATYC**

President: Tim Britt
Membership Dues: \$10.00
To join, send check (payable to *TMATYC*) to:
Jason Whitt
Southwest Tennessee Community College
737 Union Ave
Memphis, TN 38103

❖ **Tennessee Association of Mathematics Teacher Educators - TAMTE**

President: Mary Lou Witherspoon
Membership Dues: \$10.00
To join, send check (payable to *TAMTE*) to:
Jeremy Winters
c/o TAMTE
Elementary and Special Education
MTSU P.O. Box 69
Murfreesboro TN 37132

❖ **Upper East Tennessee Council of Teachers of Mathematics - UETCTM**

President: Ryan Nivens
Membership Dues: \$10.00
To join, send check (payable to *Upper East Tennessee Council of Teachers of Mathematics*) to:
Ryan Nivens
Department of Curriculum
and Instruction, ETSU
PO Box 70684
Johnson City, TN 37614-1709



An Excerpt from the NCSM Position Paper

Improving Student Achievement in Mathematics by Promoting Positive Self-Beliefs

The National Council of Supervisors of Mathematics believes that in order to help students learn challenging, standards-based mathematics, educators must establish a classroom climate that promotes positive self-beliefs about intelligence and academic ability. We believe that teacher actions can significantly affect students' self-beliefs and that — as these student self-beliefs deepen and strengthen — teacher beliefs do so as well. Positive self-beliefs, as well as positive experiences in mathematics, increase student motivation and engagement. Mathematics educators can best instill positive student beliefs about their intelligence and ability to do mathematics when we:

- Understand that educators play a crucial role in student motivation.
- Know that equity requires that educators reflect on their individual beliefs about intelligence and whether or not they believe that all children can learn mathematics.
- Establish a learning environment that promotes a view of intelligence as malleable and fosters a sense of belonging for each student.
- Recognize and act upon the fact that even students who currently appear not to care, do want to learn and be challenged.
- Ensure that all students have the right to authentic and meaningful mathematics curricula taught in engaging and accessible ways.
- Use mathematics as a forum for students to reach a better understanding of themselves as learners by providing opportunities for them to experience and recognize that hard work and perseverance results in deeper understanding and higher achievement.
- Teach and model the meaning of effective effort.
- Foster positive and encouraging relationships with students and among students by providing opportunities for students to engage in peer-to-peer learning communities.
- Implement assessment for learning strategies that involve students in goal setting, presentations of their learning, and self-reflections.
- Provide descriptive feedback to students about their work to help students identify the strengths and weaknesses of their mathematics strategies and suggest action steps for improvement.

Numeric Palindrome with 1's

$$\begin{aligned}
 1 \times 1 &= 1 \\
 11 \times 11 &= 121 \\
 111 \times 111 &= 12321 \\
 1111 \times 1111 &= 1234321 \\
 11111 \times 11111 &= 123454321 \\
 111111 \times 111111 &= 12345654321 \\
 1111111 \times 1111111 &= 1234567654321 \\
 11111111 \times 11111111 &= 123456787654321 \\
 111111111 \times 111111111 &= 12345678987654321
 \end{aligned}$$

The following websites are resources for rich problems that will enrich the mathematics classroom and assist in bringing the Common Core Standards to life.

The website **Wild About Math** lists 43 math contest problem links which offer released problems from previous contests.

<http://wildaboutmath.com/math-contest-problem-web-links>

The **University of Tennessee** has a Mathematics Contests, Competitions and Problem Sets link which contains problems, archives of problems and information about math resources for all levels from early childhood through graduate level.

http://sunsite.utk.edu/math_archives/.http/contests/

The math Forum @ Drexel features a Problem and Puzzles link that offers the current problems of the week, the POW library, write math with the Forum and other real-world applications for elementary through college level. (For complete access, a fee is involved.)

<http://mathforum.org/pow/other.html>

Single Operation CalcuDoku

Each puzzle consists of a grid containing blocks surrounded by bold lines. The object is to fill all empty squares so that the numbers 1 to N (where N is the number of rows or columns in the grid) appear exactly once in each row and column and the numbers in each block produce the result shown in the top-left corner of the block according to the math operation appearing on the top of the grid. In CalcuDoku a number may be used more than once in the same *block*.

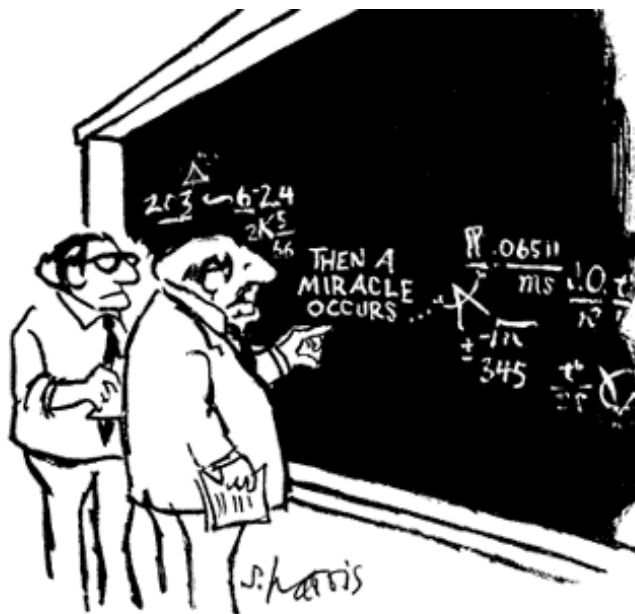
Example:

10	6			7	+	10	6	3	2	1	4	7	+
			7			1	4	5	2	3			
11			7		6	4	2	1	3	5			
6				4		2	5	3	4	1			
			11			3	1	4	5	2			

Try this one (easy!)

4		2	5	+
9	5			
	5	4		
		6		

Favorite Math Cartoons!



Project Interactivate

...a site containing a library of, and lesson plans for, interactive, Java-based virtual math activities for K-8 mathematics instruction

<http://www.shodor.org/interactivate/>

Jump To:
Browse:
 Search

Shodor > Interactivate > Home Page

DONATE and receive
Interactivate **free** on CD

Learners

- Activities
- Dictionary
- Tools

Instructors

- Lessons
- Discussions
- Standards

The goals of *Interactivate* are the creation, collection, evaluation, and dissemination of interactive Java-based courseware for exploration in science and mathematics.

[Site Map](#) | [Guide to Interactivate](#) | [What's New?](#)

Featured Activity

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Website Feedback

A RESOURCE FROM A PATHWAY PORTAL OF