

# Central Texas Council of Teachers of Mathematics

## CTCTM Newsletter

Spring 2014



### *CTCTM President's Message*

Greetings to all Members of CTCTM!

Welcome back from the holiday season and much deserved break! It's now time to gear up for all the wonderful activities and opportunities that will be happening this spring semester. Certainly, CTCTM is getting ready to offer great resources and professional development for you.

To stay updated on all the latest news and opportunities, be sure to "Like" us on FaceBook and join our Twitter feed. Look for more information in this newsletter about these latest adventures in Social Media so that you can have access to the most recent information.

Make plans now to participate in the annual Spring Conference which is planned for Saturday, February 22, 2014 from 8:30 – 1:00 at University High School in Waco, Texas. As usual, we will begin with a keynote speaker and various breakout sessions following. Think about recruiting new members by inviting your colleagues to these annual CTCTM events.

It's an exciting time for mathematics education in the state of Texas. We are about to implement new mathematics TEKS and have available new options for mathematics textbooks. CTCTM would like to provide helpful information, opportunities for professional development, and a venue for collaboration to support all mathematics teachers with these exciting developments.

As a member of CTCTM, please consider ways that you can become more involved in this organization. There are opportunities to serve on committees and/or to serve as an appointed or elected position on the Executive Council. If you are interested, please contact me at [sandra\\_cooper@baylor.edu](mailto:sandra_cooper@baylor.edu). Officer positions available for 2014 --Treasurer, Membership Chair, VP Elementary School, VP High School, NCTM Representative, and Finance Committee.

In addition, I want to hear your ideas about how CTCTM can play a more significant role to promote Mathematics Education in our region. Send me an e-mail and let's brainstorm ways to enhance math learning for all our students!

Looking forward to seeing you at the Spring Conference!

*Sandi Cooper*

President, CTCTM  
2012-2014



# CTCTM Spring Conference

Date: Saturday, February 22, 2014

Time: 8:30 AM – 1:00 PM

Location: University High School--Waco, Texas

## Featuring—Dr. Patrick Vennebush



When not solving problems, telling jokes, or playing Ultimate Frisbee, Patrick Vennebush is the Director of Mathematics at Discovery Education, where his team is developing digital techbooks for middle and high school. Previously, he managed online projects for the National Council of Teachers of Mathematics, where he was in charge of content development for the Illuminations project. He received his undergraduate degree and an Alumni Achievement Award from Penn State, and he has a master's degree in curriculum and instruction from the University of Maryland. Vennebush has provided professional development for mathematics educators at the local, state, and national levels. He previously served as the editor for the Media Clips column of the *Mathematics Teacher*, is the current chair of the MathCounts Question Writing Committee, and is the author of *Math Jokes 4 Mathy Folks*. He lives in northern Virginia with his wife Nadine, who laughs at 80% of his jokes; his twin sons Alex and Eli, who only appreciate 20% of his humor; and his golden retriever Remy, who has never been very good with percents.

Keynote Address:

### Exploring Rich Problems with Technology and Online Resources

Technology allows students to explore rich mathematical tasks and develop deeper levels of conceptual understanding. But what tools should be used, and how? Let's investigate some of the best resources currently available, explore strategies for using them effectively, and have a little fun.

**Dr. Vennebush will also present one of the breakout sessions, so make plans for...**

#### Punz and Puzzles

Puzzles motivate students more than story problems. Humor reduces anxiety and provokes thought. Using both can help to foster an environment where students are willing to take risks. Share some time with the author of *Math Jokes 4 Mathy Folks*, solve some puzzles, laugh a little (or a lot!), and learn how and why humor can improve your classroom.

A light breakfast and Door Prizes will be available at the conference!

Light breakfast items will be available from 8:00-8:30.

**Please register online at [www.ctctm.org](http://www.ctctm.org).**

*Beginning Feb. 1, 2014*

# CALL FOR NOMINATIONS!

Please consider nominating a valued colleague or yourself for a position on the Executive Council of CTCTM. The positions that will be open this coming year include Treasurer, VP for Elementary, VP for High School, NCTM Representative, and Membership Chair. In addition, we are seeking members for the Finance Committee. The terms are generally 2-years and will begin at the 2014 Spring Conference (February 22, 2014). For more information about each position, please consult the CTCTM Constitution and By-Laws, available on the CTCTM web site or you may contact the President of CTCTM, Sandi Cooper ([Sandra\\_cooper@baylor.edu](mailto:Sandra_cooper@baylor.edu)).

To nominate someone or yourself, please complete the form found on the website ([www.ctctm.org](http://www.ctctm.org)) before February 3, 2014. Nominees will be contacted by the Nominations Committee to verify interest and provide more information.

---

## Special Thanks

Thank you to the following individuals for their service to Executive Council of CTCTM. Kristin Arterbury, Lisa Hudson, Vicky Brown, William Luke, and Kathy Hutchison.

---

A note from William Luke—

Thank You for 14 Great Years!

I was one of the charter members of CTCTM when we created the plan to create a Central Texas Math Organization in 2000. Through a lot of hard work from everyone we got our constitution and awarded our NCTM Charter. I have been the NCTM Representative of CTCTM from the beginning. I have decided not to run for reelection so my tenure will end at the 2014 Spring Conference. I look forward to continue working with CTCTM in the future.

Thank you all again for all your support that has made CTCTM a great organization.

William C. Luke  
NCTM Representative.

Has your membership  
information changed?

Please contact Kathy Hutchison  
to update your information.

[Kathy\\_Hutchison@Baylor.edu](mailto:Kathy_Hutchison@Baylor.edu)

## MATH MYSTERIES!

## Save the Date!

In today's world the analog clock is going the way of dinosaurs. The hour, minute and second hand still hold challenges.

1. I'm looking at my watch. From this moment on, the hour hand will take exactly twice as long as the minute hand to reach the number six. What time is it?
2. I'm looking at my watch. The hour hand is on one mark and the minute hand is on the previous one. (By marks, we mean minute marks.) What time is it?

NCTM--April 9<sup>th</sup>-12<sup>th</sup>  
New Orleans

CAMT--July 21<sup>st</sup>-23<sup>rd</sup>  
Fort Worth

*William Luke—NCTM Representative*

## Moody's Mega Math Challenge

By asking students to solve complex, real-world issues with the power of mathematics, Moody's Mega Math ( $M^3$ ) Challenge reminds high schoolers that math is more than just formulas and solving for "x." An exclusively Internet-based contest, it is **free** to register and participate, and open to high school juniors and seniors in 46 US states. Eleventh and twelfth grade students have 14 hours to solve an open-ended, applied math-modeling problem focused on a relevant issue, and are judged based on their solution papers. The next Challenge will take place on March 8 and 9, 2014, and will award a total of \$125,000 in scholarship prizes. Registration opens in November at the website below. Students participating in past Challenges have addressed everything from the best recycling methods for American cities, the most suitable regions to build U.S. high-speed rail lines, and the effect of the stimulus package on the U.S. economy. Designed to motivate students to study and pursue careers in applied math, economics and finance, the contest is sponsored by The Moody's Foundation and organized by the Society for Industrial and Applied Mathematics (SIAM).

Complete details, sample problems, rules, and archives of previous Challenges are available at:

<http://M3Challenge.siam.org>

E-mail contact: [m3challenge@siam.org](mailto:m3challenge@siam.org)

## 3rd Annual Research-to-Practice Conference

Research in Mathematics Education (RME) at Southern Methodist University <<http://www.smu.edu/>> is holding their 3rd annual Research-to-Practice Conference, generously supported by The Meadows Foundation. The conference is slated for February 28, 2014 from 8:30am to 4pm on the SMU campus.

With the implementation of the new Texas Essential Knowledge and Skills (TEKS) coming in the 2014-2015 school year, educators will need to make a transition to curriculum, instruction, and assessment within this new framework. The 2014 RME Research-to-Practice Conference will help educators anticipate these changes and prepare students for college and career readiness through the lens of the new TEKS. Register at <https://rme.eventbrite.com> <<https://rme.eventbrite.com/>>

Visit our website at: [www.smu.edu/rme](http://www.smu.edu/rme)

Find out more about this year's conference at:

<http://www.smu.edu/Simmons/Research/RME/Participate/RMEConference2014>

or, email us directly: [rme@smu.edu](mailto:rme@smu.edu)

**Central Texas Council of Teachers of Mathematics**  
**CTCTM Membership / Information Form**

All information provided is confidential and not available to outside sources without the express written permission of the CTCTM Executive Council.

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Name of School \_\_\_\_\_ Your position \_\_\_\_\_

Home Phone (\_\_\_\_\_) \_\_\_\_\_ Work Phone (\_\_\_\_\_) \_\_\_\_\_

Fax (\_\_\_\_\_) \_\_\_\_\_ Email \_\_\_\_\_

Are you a member of NCTM? (Circle) yes no Are you a member of TCTM? (Circle) yes no

If yes, please give NCTM membership # \_\_\_\_\_

Please join or renew your membership to NCTM online, using the pull-down menu to indicate that you are a member of CTCTM. NCTM gives CTCTM a small portion (\$3 - \$5) of your membership, so this really helps us.

Please check one of the following:

School Type: \_\_\_\_\_ Public  
                  \_\_\_\_\_ Nonpublic

Check those that best describe your level of involvement:

\_\_\_\_\_ Teacher            \_\_\_\_\_ P-2  
\_\_\_\_\_ Student            \_\_\_\_\_ 3-5  
\_\_\_\_\_ Counselor        \_\_\_\_\_ 6-8  
\_\_\_\_\_ Principal            \_\_\_\_\_ 9-12  
\_\_\_\_\_ Supervisor        \_\_\_\_\_ University  
\_\_\_\_\_ Other \_\_\_\_\_

Make check payable to CTCTM

Annual Dues:            \$10.00

Student Membership    \$5.00

MAIL TO:            Kathy Hutchison  
                          Baylor University  
                          One Bear Place #97328  
                          Waco, TX 76798

**ADMINISTRATIVE USE ONLY**

Date Entered/Renewed \_\_\_\_\_

Amount Paid \_\_\_\_\_

Membership Expiration \_\_\_\_\_

Card Sent \_\_\_\_\_

## Central Texas Council of Teachers of Mathematics (CTCTM) Professional Mathematics Organization Scholarship

This scholarship will award a one-year membership to the National Council of Teachers of Mathematics (NCTM), a one-year membership to the Texas Council of Teachers of Mathematics (TCTM), and a one-year membership to the Central Texas Council of Teachers of Mathematics (CTCTM).

**Deadline:** 3 February 2014

**Notification of award:** By February 22, 2014

**Eligibility:** Any student attending a Texas college or university and who plans on student teaching during 2011 in order to pursue teacher certification with a specialization or teaching field in mathematics or any teacher who has taught for fewer than two years and who is not a member of TCTM or NCTM. The applicant must either have permanent residence in one of the counties served by Region 12 in Central Texas or attend a college/university located in counties served by Region 12 in Central Texas.

**Applicant Information**-All information must be complete for consideration.

Name: \_\_\_\_\_  
Last First Middle

Address: \_\_\_\_\_  
Number & Street

\_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code

Contact: ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ \_\_\_\_\_  
Home Phone Work Phone Email Address

College/Campus Information

College/Campus Name \_\_\_\_\_ Graduation Year \_\_\_\_\_

Teaching Certification: \_\_\_\_\_ Years Taught: \_\_\_\_\_

Campus/School District: \_\_\_\_\_

You must submit the following electronically by **3 February 2014** to [sandra\\_cooper@baylor.edu](mailto:sandra_cooper@baylor.edu), President of CTCTM:

1. Completed application.
2. An essay of 500-1500 words that describes how membership in a professional mathematics organization will help you as a teacher of mathematics.

Questions may also be sent to the same e-mail address. Information concerning this scholarship can also be found at [www.ctctm.org](http://www.ctctm.org). Click on Resources and Centers and then the Central Texas Council of Teachers of Mathematics link. An appointed CTCTM committee will review applications. Recipient's name will be submitted to the CTCTM Executive Board who will then notify the recipient and post name to CTCTM website.



## CTCTM Spring Conference, February 22, 2014 Speaker Proposal Form



If you are interested in submitting a proposal please provide the following information:

### I. Presenter Information

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City/State \_\_\_\_\_  
 Zip \_\_\_\_\_ Phone \_\_\_\_\_  
 School Name \_\_\_\_\_  
 Email: \_\_\_\_\_

### II. Presentation Information

Title of Session \_\_\_\_\_  
 Grade Level(s) (Please check all that apply.)  
 PK-2 \_\_\_ 3-5 \_\_\_ 6-8 \_\_\_ 9-12 \_\_\_ College \_\_\_

**Description** (Limit 25 words - may be done on separate sheet and attached)

**Please give the same information for additional speakers on a separate sheet.**

Email to: Sandra\_Cooper@baylor.edu

or Mail to: Sandra Cooper  
 One Bear Place 97314  
 Waco, TX 76798

**All proposals should be received by  
 February 1, 2014.**

This form is also found in an electronic format or in online submission format on the CTCTM web site.

**Be sure to share with your colleagues!**

***Connect with us and stay up to date on the happenings!***

***Webpage:***

***<http://www.ctctm.org>***



Twitter: @CenTexCTM



Don't forget to like us on facebook!

### **Math Mystery Answers!**

1. 5:00 From here the minute hand will take 30 minutes to reach 6, and the hour hand will take an entire hour.
2. 9:48 the minute hand is on 48 minutes and the hour hand is on the next minute mark.

**SOURCE:** Poniachik, Jaimie and Lea Poniachik Hard-to-Solve Brain Teasers Sterling Publishing Company, Inc. New York, New York 1998.

## 2013-2014 Officers

<p style="text-align: center;">President                  Sandi Cooper                  Baylor University                  Sandra_Cooper@baylor.edu</p>		<p style="text-align: center;">President-Elect                  Trena Wilkerson                  Baylor University                  Trena_Wilkerson@baylor.edu</p>
<p style="text-align: center;">Vice President - Elementary                  Mary Jo Montgomery                  Penelope School                  mjmontgomery@penelopeisd.org</p>	<p style="text-align: center;">Vice President – Junior High                  Lisa Hudson                  H.G. Isbill Jr. High                  lhudson@mcgregor-isd.org</p>	<p style="text-align: center;">Vice President - High School                  Vicky Brown                  University High School                  vbrown@wacoisd.org</p>
<p style="text-align: center;">Vice President - College/University                  Tommy Bryan                  Baylor University                  Tommy_Bryan@baylor.edu</p>	<p style="text-align: center;">Secretary                  Kayla Brown                  Midway ISD                  Kayla.brown@midwayisd.org</p>	<p style="text-align: center;">Treasurer                  Kristin Arterbury                  Region 12 Service Center                  karterbury@esc12.net</p>
<p style="text-align: center;">Newsletter Editor                  Rachele Rogers                  Baylor University                  Rachele_Rogers@baylor.edu</p>	<p style="text-align: center;">Webpage Editor                  Dittika Gupta                  Baylor University                  Dittika_Gupta@baylor.edu</p>	<p style="text-align: center;">Membership Chair                  Kathy Hutchison                  Baylor University                  Kathy_Hutchison@baylor.edu</p>
<p style="text-align: center;">Community Relations Representative                  Debbie Perry                  Midway ISD                  Debbie.perry@midwayisd.org</p>		<p style="text-align: center;">NCTM Representative                  William Luke                  Central Texas College                  wcluke@clearwire.net</p>

**CTCTM**

One Bear Place #97314  
 Baylor University  
 Waco, TX 76798-7328