



The TMTA Bulletin



Volume 65, Issue 2

Winter 2021

TMTA Executive Committee

President: Lisa Elliott

West Creek High School

Email: lisa.elliott@cmcss.net

Past President: Alice Carson

Powell High School

E-mail: alice.carson@knoxschools.org

Secretary: Steve Gadbois

Memphis University School

E-mail: steve.gadbois@musowls.org

Treasurer: Stephanie Kolitsch

University of Tennessee at Martin

E-mail: skolitsc@utm.edu

NCTM Representative and Parliamentarian: Ryan Nivens

East Tennessee State University

E-mail: nivens@mail.etsu.edu

Vice-President for Elementary: Jessica Willings

Jefferson County School System

E-mail: jwillings@jcboe.net

Vice-President for Middle Schools: Lea Keith

East Robertson High School

E-mail: lea.avrit@gmail.com

Vice-President for Secondary Schools: Jennifer Axley

Webb School of Knoxville

Email: Jennifer_axley@webbschool.org

Vice President for Two-Year Colleges: James Adair

Dyersburg State Community College

Email: adair@dscc.edu

Vice-President for Colleges/University: Jennifer Meadows

Tennessee Technological University

E-mail: jmeadows@tntech.edu

Examinations Director: David Ray

University of Tennessee at Martin

E-mail: davidray@utm.edu

Contest Coordinator: Becky Darrough

Austin Peay State University

E-mail: darroughr@apsu.edu

Contest Awards Chair: Jackie Vogel

Austin Peay State University

Email: vogelj@apsu.edu

TMTA Bulletin Editor: Jackie Vogel

Austin Peay State University

E-mail: vogelj@apsu.edu

Membership Coordinator and Webmaster: Kim Mullins

Bethel Springs Elementary School

E-mail: mullinsk@mcnairy.org

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President's Message

The past year has been full of challenges, hardships, and disappointments for many of us. As Amanda Gorman said in her inaugural poem, "Where can we find light in this never-ending shade?" That light comes from teachers across elementary, middle, high schools, and post-secondary establishments. By our very nature, we are resilient, passionate, and perhaps a bit stubborn. We will outlast the cold winter and know that we have supported our students to the best of our ability. Never forget how vital you are to our students' mental and emotional health as well as their academic success.

Hope comes with the spring. Although quite slow, vaccines are being administered which will ease our fears and provide the human interactions many of us are missing. The weather is warming which will lead to blissful summer so we can breathe, reflect, and regroup. I am already looking forward to this fall in Memphis when we can finally see each other and collaborate, face to face! I am inspired by other educators and our shared joy for content and instruction keeps me going in the long stretch from January until March. I cannot wait to hear your lessons, ideas, and philosophies.

Lisa Elliott, President TMTA

TMTA Annual Conference Information

Sponsored by:
TMTA and MACOTOM

Location:
Memphis University School
Tentative Date: October 22-23, 2021

Speaker Proposals will be available soon. To apply to speak, complete your speaker proposal form at <https://tmta.wildapricot.org/Conference>. If you have questions about the form or submission process, please contact Steve Gadbois at steve.gadbois@musowls.org.

Affiliates

SM²EA

Smoky Mountain Educators' Association
Alice Carson
Powell High School
Alice.carson@knoxschools.org

CAMTA

Chattanooga Area Mathematics Teachers' Association
Andy Stultz
Hixson high School
stultz_william@hcde.org

MAC-O-TOM

Memphis Area Council of Teachers of Mathematics
Elizabeth Kirby
Shelby County School System
kirbyea@scsk12.org

MT²NW

Mathematics Teachers of Tennessee – Northwest
Linda Farmer
Greenfield High School
Farmerl1@k12tn.net

(MT)²

Middle Tennessee Mathematics Teachers
Sheila Horstman
Clarksville High School
Sheila.horstman@cmcss.net

TAMTE

Tennessee Association of Mathematics Teacher Educators
Rebecca Darrough
Austin Peay State University
darroughr@apsu.edu

TMATYC

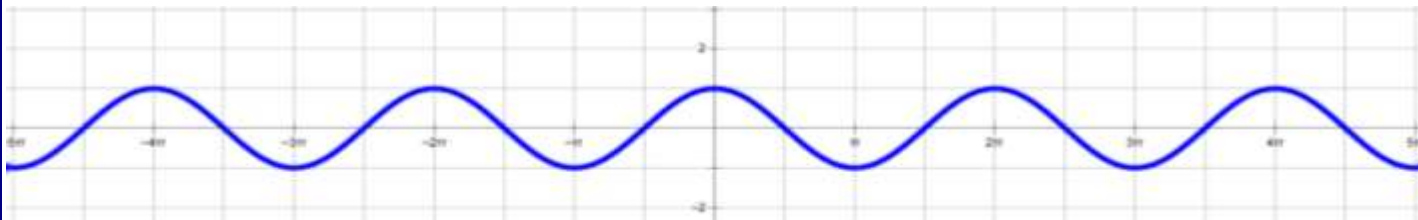
Tennessee Mathematics Association of Two Year Colleges
Ellen Matheny
Pellissippi State Community College
ebmatheny@pstcc.edu

UETCTM

Upper East Tennessee Council of Teachers of Mathematics
Jamie Price
East Tennessee State University
pricejh@etsu.edu

TAMT Student Affiliate

Tennessee Aspiring Teachers of Mathematics
Susan Conner
Austin Peay State University
Sconner6@my.apsu.edu



Calendar of Events

High School Math Contest	April 6, 2021 Cancelled
Middle School Math Contest	April 8, 2021 Tentatively Online
NCTM Annual Conference	April 21-24, 2021 Virtual
TMATYC Mathematics Conference	February 26, 2021
TMTA Mathematics Conference	October 22-23, 2021 Memphis, TN

TMTA Scholarship Opportunities

Dr. Henry Frandsen Scholarship for Teachers

Criteria:

- Applicants must be committed to teaching mathematics in Tennessee at either the secondary or elementary level.
- Applicants must have declared an appropriate major at their institution
- Deadline May 1st

Recent Past Winners:

- 2013: Taylor Satterfield
- 2014: Leanna Ruth Murdoch
- 2015: Elizabeth Barlow (UT Knoxville)
- 2016: Courtney Wright (MTSU) and Hillary Grant (UT Knoxville)
- 2018: Allison Brown and Jenna Dula
- 2019: Isamar Rachal (Austin Peay State University)
- 2020: Kaycie Hartwig (APSU) and Maggie Weaver (UM)
- 2021: Now accepting applications at <https://tmta.wildapricot.org/page-18062>

TMTA Grant Opportunities

\$1000 Classroom Mini-grant

Criteria:

- Applicant's school or district must demonstrate need;
- Applicant must attend the TMTA Fall Conference to receive your award; and
- Applicant must speak at the next TMTA Fall Conference about your use of the mini-grant.
- Application deadline is May 1.

Recent Past Winners:

- 2013: Tammi Terry
- 2014: Lea Keith
- 2015: Emily McDonald
- 2016: Deana Secrest
- 2017: Teresa Agee
- 2018: No Award Given
- 2019: No Award Given
- 2020: No Award Given
- 2021: NOW TAKING APPLICATIONS at <https://tmta.wildapricot.org/Grant>

Desiree McCullough Advanced Degree Scholarship Award

Are you pursuing an advanced degree to improve your mathematics teaching? There are scholarship funds available to support your learning!

The TMTA Desiree McCullough Advanced Degree Scholarship Award is awarded to a TMTA member currently teaching in Tennessee and pursuing either a Masters, Ed.S., or doctoral degree to improve his or her mathematics teaching.

The award includes a \$1000 Scholarship and free TMTA membership for a year.

All you need to do is click on this link: <https://tmta.wildapricot.org/page-18062> and follow the directions on the application.

The deadline for the application is May 1. Don't delay!

We want to support you in your pursuit of teaching excellence!

Test Writers Needed!

High school math test writers are needed! Each of the six exams (Algebra I/Integrated I, Algebra II/Integrated III, Geometry/Integrated II, Precalculus, Calculus and Advanced Topics, Statistics) is a 40 question multiple choice test, with each question having five possible responses. Writers should include additional questions for consideration. TMTA will pay a single stipend of \$500 to the author once the test has been submitted, reviewed, corrected if necessary, and accepted for use. Qualified applicants should work in a post secondary setting and have at least a year of experience. A test writer guideline is available for interested applicants.

If you are interested, please e-mail the Examinations Director, David Ray.

Examinations Director

David Ray

Department of Mathematics and Statistics

E-mail: davidray@utm.edu



If you would like copies of some previous tests, these are available on the TMTA website:

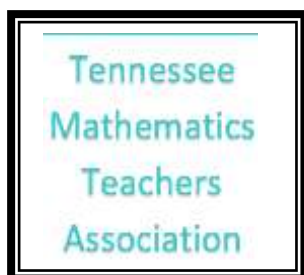
<https://tmta.wildapricot.org/Contests>.

2021 TMTA High School Mathematics Contest – Cancellation

Due to the ongoing COVID concerns, limitations on the amount of people in a meeting or group, school district and university restrictions, and most importantly, the safety of all our students and faculty, the 2021 TMTA High School Mathematics Contest is cancelled. This was a difficult decision to make as everyone involved in the contest loves being part of young people getting together to show their knowledge of and passion for mathematics. We miss seeing the students and teachers on contest day. Hopefully, by spring of next year, we will be able to hold the contest and students will once again be able to participate in the TMTA High School Mathematics Contest.

Rebecca Darrough

Join the TMTA Facebook page at
Tennessee Mathematics Teachers Association – TMTA!



Tweet us!



@TMTATNM

Happy Pi Day!

As we navigate these strange new, yet familiar, remote teaching waters, it is important to remember and honor old traditions. One of our favorite spring traditions is Pi Day. How can we promote mathematics and enjoy Pi Day in a remote teaching world? There are a plethora of online activities available. Here is just a sampling.

1. NCTM Pi Day
<https://www.nctm.org/piday/>
2. The Exploratorium
<https://www.exploratorium.edu/>
3. The Joy of Pi
<https://www.joyofpi.com/>
4. Pi Day
<https://www.piday.org/>
5. Teach Pi
<http://www.teachpi.org/>
6. Visualizing Pi
<https://visual.ly/community/Infographics/education/visualizing-pi>
7. Museum of Mathematics
<https://momath.org/pi-day-2020/>
8. Pi Day Article with links
<https://www.cnn.com/2010/TECH/03/12/pi.day.math/index.html>

For those of you meeting face to face, many of these activities can also be used in a traditional classroom. Happy Pi Day!

Jackie Vogel

[illegible]

- What was Sir Isaac Newton's favorite dessert? Apple pi.
- A pizza has a radius z and thickness a . Its volume is *pizza* (or $\pi * z^2 * a$).
- What do you get when you take the sun and divide its circumference by its diameter? Pi in the sky.
- 3.14% of sailors are pi-rates.
- Why isn't pi on Twitter? Because even 280 characters isn't enough to express itself.

[illegible]

Do you need to find a support group specific to your teaching?

Check out the following Facebook Groups.

- ❖ Teach With Tech
- ❖ Teachers using Canvas
- ❖ AP Statistics Teachers
- ❖ Distance Learning For Upper Elementary Teachers
- ❖ Technology In The Classroom With Google Tools And More
- ❖ Canvas For Secondary Educators
- ❖ <https://www.facebook.com/groups/HyperDocs>
- ❖ <https://www.facebook.com/groups/breakoutedumath>
- ❖ <https://www.facebook.com/groups/MidTNMath>
- ❖ <https://www.facebook.com/groups/1653035008300751>
- ❖ <https://www.facebook.com/groups/GCforTeachers>
- ❖ <https://www.facebook.com/groups/MathTeacherCoach>
- ❖ <https://www.facebook.com/groups/445786889466638>
- ❖ <https://www.facebook.com/groups/135807663706569>
- ❖ <https://www.facebook.com/groups/234085607832150>
- ❖ <https://www.facebook.com/groups/BMMmembersOnly>
- ❖ <https://www.facebook.com/groups/STEMteachersgroupMSHS>
- ❖ <https://www.facebook.com/groups/147158235484661>
- ❖ <https://www.facebook.com/groups/147158235484661>
- ❖ <https://www.facebook.com/groups/BuildMathMinds>

Are you looking for some ice breakers?

<https://selatmeigs.weebly.com/ice-breakers---lessons.html>

“... the primary question is not what do we know, but how do we know it.” Aristotle

“If we do not expect the unexpected, we will never find it.” Heraclitus

If you would like to share information, lesson plan ideas, or tips for instruction, please email Jackie Vogel at vogelj@apsu.edu.