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I N S I D E T H I S I S S U E



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# President’s Message

A New Hope. One of my favorite movies from the Star Wars franchise, Episode IV, A New Hope has recurring themes of the battling underdogs, a struggling rebellion, and an overwhelming and seemingly unstoppable Empire. As educators, we are facing a multitude of challenges from local and state directives regarding standards, retention vs. promotion issues, textbook adoptions, and many more. Our profession seems to be under intense pressure from many angles. At our recent board meeting, there were many in our group, myself among them, who were outspoken about some of the decisions being brought forth to educators. Even though we are facing difficult decisions and controversial changes, we, as educators, should have a primary duty to our students. I believe we do share in the fundamental belief that student success is our mission. Let us not lose sight of this fact during difficult times. The board and teachers around the state are holding high the craft of teaching. Students are having successes in many areas. The momentum for improving student learning is growing every day. As I mentioned during the Board meeting, the teachers in my own school are doing some amazing work. Many of them are young, much younger than I, and their enthusiasm is wonderful, even infectious. Students are thriving under the leadership of these teachers. There is a poster in my school's faculty area which says, “even on your worst day, you are still some child’s best hope”. You are my hope for the future of math education in the state of Tennessee. And what a wonderful hope it is.

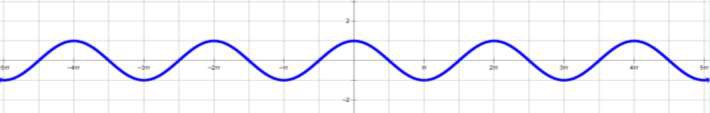
Andy Stultz

Public School Teachers:

The state has a website for teachers. It includes the standards for each discipline and other resources available so that we may increase student success. As many of you know, middle and high school standards have added more statistics standards. Now the website has included videos that address those standards as a refresher for us who may not have taught or practiced this content since our own college days. The link to the website is:

<https://bestforall.tnedu.gov/>

On the homepage is a link to the revised standards. You will find the information that you need when you go to your grade band. Another useful feature on the website is a standards crosswalk so that you can see what you have been doing and where you are going.



**Calendar of Events**

High School Math Contest

April 13, 2022

Middle School Math Contest

April 4, 2023

NCTM Annual Conference

Oct 25 –28, 2023 Washington D.C.

TMTA Mathematics Conference

September 15-16, 2023 Nashville, TN

Affiliates

CAMTA

Chattanooga Area Mathematics Teachers’ Association

Emily McDonald

Hixson High School

[mcdonald\_emily@hcde.org](mailto:mcdonald_emily@hcde.org)

MAC-O-TOM

Memphis Area Council of Teachers of Mathematics

Elizabeth Kirby

Shelby County School System

[kirbyea@scsk12.org](mailto:kirbyea@scsk12.org)

MT2NW

Mathematics Teachers of Tennessee – Northwest

Crystal Johnson

East Junior High School

[crystal.johnson@fcsk12.net](mailto:crystal.johnson@fcsk12.net)

(MT)2

Middle Tennessee Mathematics Teachers

Lea Keith

Martin Luther King Jr. Academic Magnet School

[Teresa.Agee@mnps.org](mailto:Teresa.Agee@mnps.org)

SM2EA

Smoky Mountain Educators’ Association

Alice Carson

Powell High School

[Alice.carson@knoxschools.org](mailto:Alice.carson@knoxschools.org)

TAMTE

Tennessee Association of Mathematics Teacher Educators

Holly Anthony

Tennessee Technological University

[hanthony@tntech.edu](mailto:hanthony@tntech.edu)

TMATYC

Tennessee Mathematics Association of Two Year Colleges

Ellen Matheny

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UETCTM

Upper East Tennessee Council of Teachers of Mathematics

Pam Stidham

Kingsport City Schools

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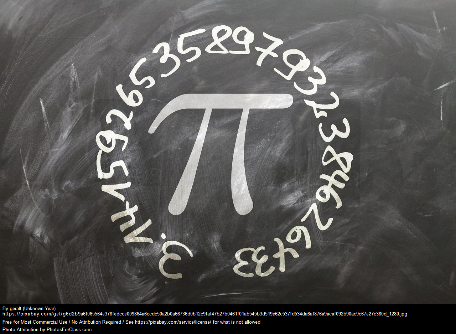
TATM Student Affiliate

Tennessee Aspiring Teachers of Mathematics

Susan Conner

Austin Peay State University

[Sconner6@my.apsu.edu](mailto:Sconner6@my.apsu.edu)



**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!*

*Congratulations to this year’s recipient:* Craig Carter



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**:

* + 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:
  + 2022: Shelby Gibson Breighner (APSU) and Charis Johnson (Bryan College)
  + 2023: Now accepting applications at

[**https://tmta.wildapricot.org/page-18062**](https://tmta.wildapricot.org/page-18062)



TMTA Grant Opportunities

$1000 Classroom Mini-grant

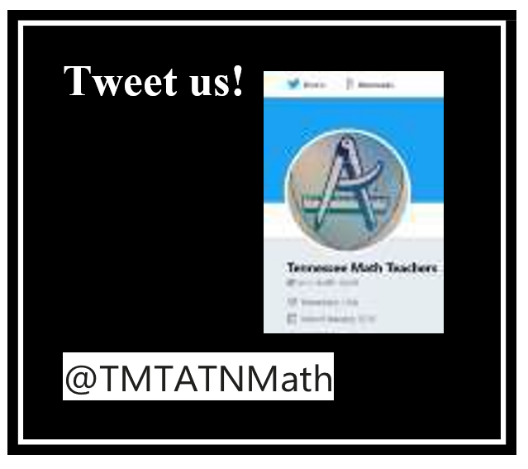
**Criteria:**

* Applicant’s school or district must demonstrate need
* Applicant must attend the TMTA Fall Conference to receive your award
* Applicant must speak at the next TMTA Fall Conference about your use of the mini-grant
* Application deadline is September 1st

**Recent Past Winners:**

* 2013: Tammi Terry
* 2014: Lea Keith
* 2015: Emily McDonald
* 2016: Deana Secrest
* 2017: Teresa Agee
* 2018:
* 2019:
* 2020:
* 2021: Kendra Poszywak
* 2022: Samantha Deems
* 2023: NOW TAKING APPLICATIONS at

[**https://tmta.wildapricot.org/Grant**](https://tmta.wildapricot.org/Grant)



**Join the TMTA Facebook page at**

**Tennessee Mathematics Teachers Association – TMTA**!



**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, Brian Wagner.

**Examinations Director**

Brian Wagner

University of Tennessee at Martin

E-mail [bwagner@utm.edu](mailto:bwagner@utm.edu)

If you would like copies of some previous tests, these are available on the TMTA website: <https://tmta.wildapricot.org/Contests>.

Happy 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/>

* 1. The Exploratorium

<https://www.exploratorium.edu/>

* 1. The Joy of Pi

<https://www.joyofpi.com/>

* 1. Pi Day

<https://www.piday.org/>

* 1. Teach Pi

<http://www.teachpi.org/>

* 1. Visualizing Pi

<https://visual.ly/community/Infographics/education/visualizing-pi>

* 1. Museum of Mathematics

<https://momath.org/pi-day-2020/>

* 1. 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!

Compiled by Dr. Jackie Vogel

## 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://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_HyperDocs&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=rsyOToJ3KFMz9vb3Jg2pZzUI29xVCvS0fnNtkw3bSSo&e)
  + [https://www.facebook.com/groups/breakoutedumath](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_breakoutedumath&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=pek-5qJMnOjjdw0i5xnhjX4fmtsXhwQWo2R4O7UvdwA&e)
  + [https://www.facebook.com/groups/MidTNMath](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_MidTNMath&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=LyAgUhe1KZ4vDzPmJVpaUEgBzkIqX9RVkfzsXamq6fM&e)
  + [https://www.facebook.com/groups/1653035008300751](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_1653035008300751&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=tWHL48LEknklo5x5Bfj22O4NyeBUBdIqDNckELfn2aI&e)
  + [https://www.facebook.com/groups/GCforTeachers](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_GCforTeachers&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=2cNAC6f-GZ5rB3lyWDu35XZsS5N7UQZb4xDcsZjPRGg&e)
  + [https://www.facebook.com/groups/MathTeacherCoach](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_MathTeacherCoach&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=mCFab2NWbtyu6JXTHWjNLroLJmBBu85iedRX15A2Myw&e)
  + [https://www.facebook.com/groups/445786889466638](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_445786889466638&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=wYzVHY366gaqQtQqSfdNiqo3iUkX453MdF2IEE2_hSA&e)
  + [https://www.facebook.com/groups/135807663706569](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_135807663706569&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=gotfzgz_BvtGeDFCpJN1dXCGK1dZC0wiehajqW9t7B8&e)
  + [https://www.facebook.com/groups/234085607832150](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_234085607832150&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=zkmta5oAqqnqiPRBAwPcozfprGTW77Iaqi_pJ1UTXDs&e)
  + [https://www.facebook.com/groups/BMMmembersOnly](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_BMMmembersOnly&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=D-kZFAA_X17mXa4R4hBhQiNtoJBJAEAO6nlzszzqPcI&e)
  + [https://www.facebook.com/groups/STEMteachersgroupMSHS](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_STEMteachersgroupMSHS&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=dwT3XWllMPE3OIhD6cR785f31hES__SGKEh-Xjc1fGc&e)
  + [https://www.facebook.com/groups/147158235484661](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_147158235484661&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=qu1j_o-IZrpJ2pBT0BayBxqfQNnJpLRgLwxZ0VHavlU&e)
  + [https://www.facebook.com/groups/147158235484661](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.facebook.com_groups_147158235484661&d=DwMGaQ&c=pFsveJJPHV1MuWVdwlSI7Q&r=C4tS8fjs2bNPUM8dnoay1Q&m=8GnZ1DvOBK92WGKn5v3gIbOGLhlMADI4sA7sYaemREI&s=qu1j_o-IZrpJ2pBT0BayBxqfQNnJpLRgLwxZ0VHavlU&e)
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If you would like to share information, lesson plan ideas, or tips for instruction, please email Teresa Agee at [teresa.agee@mnps.org](mailto:teresa.agee@mnps.org). Please note the photos used are from

NCTM, TMTA, or creative commons.

TMTA Annual Conference Information

Sponsored by:

TMTA and (MT)2

Location:

Belmont University

September 15-16, 2023

Speaker Proposals are available. To apply to speak, complete your speaker proposal form at [https://tmta.wildapricot.org/Conference](https://linkprotect.cudasvc.com/url?a=https://tmta.wildapricot.org/Conference&c=E,1,_X8qy1RzBrcj5judOg0zG1mkXoaf9XbGosJaWPrN2LEUdT7PeUIrJ6_ykF2638B5wqy7lRe8_OHqZmLSYAhkFmV-skBcCJIrqqRYv25ph_G5jOs,&typo=1) or submit one digitally using this link: <https://forms.gle/zaJF1274mWRohFe56> If you have any questions about the form or submission process, please contact Teresa Agee at [teresa.agee@mnps.org](mailto:teresa.agee@mnps.org). This year’s theme is Math = Numeracy + Literacy.