



South Carolina Council of Teachers of Mathematics

Summer 2018

Volume IX, Issue 1

In This Issue

- Past President's Greeting
- President's Greeting
- President-Elect's Greeting
- Teacher Grants
- Scholarship Opportunity
- Award Nominations
- MathMate
- 2017 Art Media Contest
- Math Tournaments
- Fall Conference Review
- Fall Conference Pictures
- Sponsors
- 2017-2018 Officers
- SCCTM Managers & Committee Chairs
- Important Dates

President's Greeting

Hello South Carolina math educators! I hope everyone is enjoying a great start to another school year! As teachers, we are privileged to have an opportunity each year to create a new beginning for our students!

I hope everyone is also looking forward to attending this year's annual SCCTM Conference! This year's conference theme is *Change the World of Mathematics: Sow A Seed!* I hope you plan to attend the conference and attend sessions that will help you think about ways you can change the world of mathematics through your teaching.

We have some exciting key note speakers this year that I'm sure you will want to hear. Robert Berry, NCTM President, and Laurie Boswell, sponsored by Cengage, will speak on Thursday. Friday's key note speakers will be Matt Larson, sponsored by HMH, and Eric Milou, sponsored by Pearson. And don't forget that the conference will kick-off on **Wednesday evening at 7:00pm** with an opening session with Luke Dollar, sponsored by Cengage.

We hope to each of you on November 14, 15, 16 and 17 at the Columbia Metropolitan Convention Center! I hope the first several weeks of school go smoothly for everyone. Just keep in mind the importance of reconnecting, reflecting, and learning and plan to attend this year's conference!

Leigh Martin

SCCTM President (2017-2018)



We encourage you to follow us on



Facebook

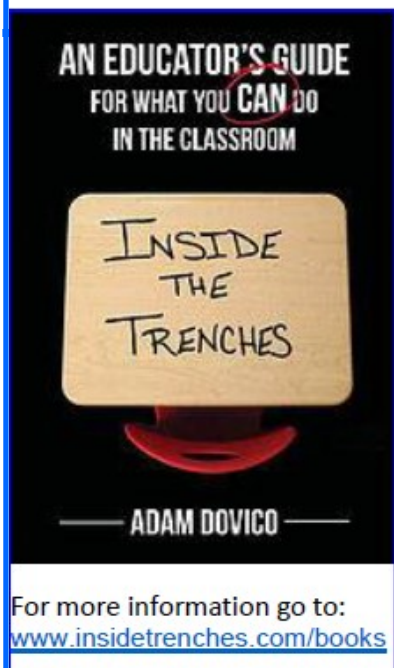
2018 Conference Hotels

Book by October 15th to reserve your hotel room for the 2018 SCCTM Conference!

Hilton Columbia Convention Center: 924 Senate Street, Columbia SC

Hampton Inn Columbia-Downtown Historic District: 822 Gervais Street, Columbia SC

Click [here](#) to book your room.



For more information go to:
www.insidetrenches.com/books

SCCTM Educator's Scholarship

Bridget Coleman, VP-Post Secondary & Committee Chair
BridgetC@usca.edu

This scholarship provides financial assistance of \$1500 to a teacher pursuing an advanced degree in mathematics, mathematics education, or elementary education with an emphasis in mathematics. Eligibility requirements and an application form may be found on the SCCTM websites at www.scctm.org.

Deadline extended to September 15th

SCCTM Pre-Service Scholarships

Chris Duncan, Committee Chair
cduncan@lander.edu

These scholarships provide financial assistance of \$1500 to deserving pre-service teachers who express their intention to specialize in the teaching of mathematics education. Up to three scholarships are awarded each year depending upon the availability of funds. Eligibility requirements and an application form may be found on the SCCTM websites at www.scctm.org.

Deadline extended to September 15th

Award Nominations

Ed Dickey, Committee Chair



Each year SCCTM asks for nominations in order to recognize an educator who has made significant contributions to the educational community in our state. The deadline to nominate an educator for this year's award has passed but we look forward to the presentation of this award during the Business Meeting on November 15th at this year's conference!

The MathMate

Chris Duncan, Editor

The Editorial Board of *The MathMate* is excited to announce that the May 2018 issue of the journal can be found on the SCCTM website!

Additionally, we would like to invite you to submit manuscripts for upcoming publications. We especially need articles or activity ideas for lower grade levels. If you have an activity that you have successfully used in your classroom and would like to share that activity with other teachers at your grade level, please consider writing about the activity and submitting your manuscript for consideration for publication in *The MathMate*.

You may submit your manuscript to
scmathmate@gmail.com

**You may submit your manuscript to:
scmathmate@gmail.com.**

Please put the following information on a cover sheet:

- (1) Name**
- (2) Contact Information**
- (3) Grade Level**

Go to :

<http://www.scctm.org/The-MathMate> to view copies of *The MathMate* and find out how you can submit an article.

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THE MATHMATE



THE OFFICIAL JOURNAL OF THE
SOUTH CAROLINA COUNCIL OF TEACHERS OF MATHEMATICS

President-Elect's Message: When will I ever use this?

Welcome back to another school year. By now, you have probably heard a student or two ask "when will we ever use this?"

Tell them they're right, they may never solve another simultaneous equation or plot a trig function or complete a two-column proof in their entire life. They might not need to factor a polynomial or find a derivative of a function, but that doesn't mean that learning mathematics won't take them far. Some may say that they have never used the math they learned in high school. As math teachers, we need to let them know that they learned so much more in their math classes than they can ever imagine.

Math teachers are charged with inspiring the joy of learning, to nurture imagination and creativity, and to stimulate the sense of wonder and curiosity. What better way to make it all that happen than through mathematics? Where else can we explore the wonder of infinity? Or the frequency both pi and phi are found in nature? And there's Pascal's triangle, the Fibonacci sequence, the Mandelbrot set.

Noted math professor Francis Su reminds us that mathematics allows us to experience structure through randomness, the elegance of connections, and even the importance of fairness and justice. Because of our mathematical thinking, our ability to make sound decisions and enhance our sense of reason is improved.

Learning mathematics is more than knowing formulas and solving equations, understanding attributes of geometric figures, and being able to determine the likelihood that something might happen. Mathematics is not number crunching, it's all about play--from toys and puzzles to brain teasers and board games--as Su says, "it's recreational exercise for the mind."

Our students learn to think mathematically when they acquired the ability to count, sort, identify patterns, and represent things with symbols. We continue to help build on that foundation. Throughout our students' journeys learning mathematics, they are being prepared to think, to reason, to develop their spatial sense, to communicate, to anticipate, to estimate, to predict, to interpolate, to analyze, to plan, to interpret information, to use tools appropriately, to make decisions, to solve problems using various strategies. These are the life skills they are learning in math class.

When I ask teachers of their personal "math stories" there is a tendency to see a grimace and a comment that they really haven't had a good experience in math. It's our job to sell and promote mathematics every day to our students, their parents, and our community. Join me in advocating that mathematics is the most important tool for science, computing, and engineering and a part of all technological discoveries that have enriched our lives. So to ask "when will we ever use this?" is like asking "when will we ever breathe?"

Our challenge, as math teachers, is to convince our students and, for that matter the world, that we are here because of mathematics and that mathematics is who we are.



Marc Drews

SCCTM President-Elect (2018-2019)

NCTM

It's Easy to Join!

ONLINE: www.nctm.org/membership

PHONE: 800.235.7566 or 703.620.9840

FIND US ON



Request for Student Volunteers

Do you work with preservice teachers? If so, please share this message with your students!

SCCTM is seeking pre-service teachers to serve as Student Page Volunteers at this year's conference. Volunteers receive **free registration, lunch, and a free one-year membership** for serving. Student Pages commit to volunteering at the conference for at least two 2-hour blocks of time. During this time, Student Pages help presenters ensure that their presentation rooms are set up, help SCCTM officers with their duties, and help direct participants to specific rooms. When not volunteering, Pages can attend sessions and the exhibit hall. This is a wonderful, free opportunity for to engage with and learn from a professional community of mathematics teachers. This is also a great item to list on your resume and to mention during upcoming job interviews. Benefits for serving include FREE Conference Registration, FREE lunch, a FREE t-shirt, and a FREE 1-year SCCTM membership. Interested students should contact Bridget Coleman at BridgetC@usca.edu by **October 1st**.



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Register for the
MATHCOUNTS
Competition
Series

Check out
www.mathcounts.org
for more information.

2018 SCCTM Officer Nominations

The SCCTM Board would like to sincerely thank **Amy Wingate**, math teacher at Aiken High School, for her work with the Nominations Committee!

The following people are running for a SCCTM Board position. Candidate biographies and photos will be posted on the SCCTM [Website](#) soon. We hope that all SCCTM members will vote!

President-Elect

- Dr. Ryan Higgins, Associate Professor, Wiggins School of Education, Coker College
- Hilary Morgan, Coordinator of Mathematics, Lexington School District One

Vice President Elementary

- Donald Sarazen, White Knoll Elementary School, Lexington School District One, 2012 PAEMST Award Winner K-6 Mathematics
- Michelle Traynum, Homeland Park Elementary, Anderson School District Five

Vice President Secondary

- Dr. Machele Sprauve, Wilson High School, Florence School District One
- Jennifer Wilson, Aiken High School, Aiken County Public School District, 2013 PAEMST Award winner 7-12 Mathematics
- Alva White, Richland School District One, SCCTM Secretary

Secretary

- Paula Adams, Middle Grades & Secondary Placement Coordinator, Clemson University
- Brantay Cohens, Ocean Bay Middle School, Horry County Schools

NCTM Representative

- Christi Fricks, Riverside Middle School, Anderson County School District 4
- Ben Sinwell, Pendleton High School, Anderson County School District 4
- Marina Mosneaguta, Alice Drive Middle School, Sumter School District

Recognizing our Affiliates

Clemson University Student Council of Teachers of Mathematics (CUSCTM)



CUSCTM formed in 2011 and is South Carolina's only NCTM student affiliate organization. The group engages preservice mathematics teachers in learning from local math teachers and district professionals, summer employment opportunities, resume workshops, interview preparation, and community outreach. The organization also provides space for preservice mathematics teachers to network and learn from one another. If you work with mathematics preservice teachers and are considering starting a student affiliate group, contact Leigh Martin at haltiwa@clemson.edu.

Aiken County Council of Teachers of Mathematics (ACCTM)

The ACCTM meets twice per year, once in the fall and once in the spring. If you live in the Aiken area and would like to receive updates, attend meetings, and network with other mathematics educators, contact Bridget Coleman at BridgetC@usca.edu.

2018 Conference: Volunteers Needed!

If you would like to volunteer at the 2018 conference in Greenville, please click [here](#) and complete the Time and Talents sheets. We appreciate your help!



**Platinum
Corporate
Sponsor**



Wanted! SCCTM Ambassadors

Have you ever thought about volunteering for SCCTM? Are you interested in promoting SCCTM to other mathematics educators? Then you might be interested in becoming a **SCCTM Ambassador**!

Qualifications

- a passion for teaching
- a love for mathematics
- an advocate for math educators in our state

Duties

- represent SCCTM in your district or school setting
- share all things wonderful about our organization

Anyone interested in serving as a SCCTM Ambassador should email Eugene Bellamy, Jr. Vice President for Middle Schools, at ebellamjr@gmail.com and complete the online [application](#) no later than **September 30th**.

Ambassadors will be chosen based on personal interest and from nominations. Ambassadors will be selected and notified by November 1, 2018. An orientation will be held at the SCCTM Fall Conference on November 16th.

[Apply to be an SCCTM Ambassador](#)

SCCTM Important Dates to Remember

November 15 - 16, 2018 SCCTM Fall Conference in Columbia
April 25—28, 2018..... NCTM Annual Conference in Washington, DC
April 15, 2018..... Teacher Grant Applications Due
July 15, 2018..... Award Nominations Due
September 15, 2018.... Scholarship Applications Due

2018 SCCTM Conference Hotels

Hilton: 924 Senate Street, Columbia SC
Hampton Inn: 822 Gervais Street, Columbia SC

Book your hotel today by clicking this link: <https://www.hilton.com/en/hi/groups/personalized/C/>

Become a NCTM Member!

If you are not already a NCTM member, you can become an Essential Member today for just \$59! This membership includes a 20% discount to the NCTM Store and on meeting registrations, one **FREE** grade-band specific journal (print and digital), unlimited access to NCTM's online community, MyNCTM. Visit the [NCTM website](#) to learn more.

When you join, make sure you designate SCCTM as your local affiliate organization!



NCTM Conferences

Consider attending one of this year's NCTM Regional Conferences in Hartford, (October 4-6) Kansas City (November 1-3), or Seattle. (November 28-30). NCTM Conferences are great networking and learning opportunities. To learn about submitting a speaker proposal or registering for a conference, visit NCTM's website at nctm.org.

2018 Sponsors

The South Carolina Council of Teachers of Mathematics seeks (1) to encourage and stimulate greater interest in mathematics and its applications; (2) to encourage and provide opportunities for exchange of ideas and materials related to the instruction of mathematics; (3) to further the cooperative study of problems related to the teaching of mathematics at all levels; and (4) to work for the improvement of mathematics instruction at all levels of education. As a nonprofit organization, SCCTM relies upon its membership; events; and business, institutional and private sponsorships and donations to help offset expenses and promote the advancement of mathematics educational opportunities for educators in the State of South Carolina.

We appreciate the continued support of past corporate and institutional sponsors. In the past such sponsorships were usually tied directly to our Fall Conference. Beginning with the 2012-2013 year SCCTM adopted a new policy for year-long acknowledgements and partnerships with our sponsor contributors and benefactors who provide the support that enables the organization to bring an exceptional level of Professional Development and Benefits to our members.

If you would like to **become a sponsor or make a contribution**, please contact Lane Peeler at scctm.exhibits@gmail.com.

While all contributor levels are acknowledged here, additional recognition and partner opportunities are offered to our Platinum, Gold, and Silver Sponsors. Please be sure to check out the Platinum Sponsor websites, and note our sponsors' ads in this publication. As a member, please be sure to let these sponsors and contributors know you appreciate their support.

SCCTM gratefully acknowledges the following sponsors for the 2018-2019 year.

Platinum Sponsors

National Geographic Learning/ Cengage

Pearson

Houghton Mifflin Harcourt

Gold Sponsors

Texas Instruments

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Contact Lane Peeler at
SCCTM.exhibits@gmail.com for
information regarding Exhibit
Booths and Sponsorship
opportunities.

WRAPPERS WANTED

A Mathematical Adventure in Surface Area



Written by Candice Yarbray Brucke
Illustrated by Dawnyelle Moore

Need a whimsical unit to teach middle school math standards the week before Christmas break? One book and worksheets to address Area, Surface area, Area of a circle, Area of a triangle, Volume, Squared inches, Cubic inches Formula, Net and written assignments. Order today at Teachers Pay Teachers.

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Educators Around the World

SCCTM
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SCCTM Conference Program

You may have noticed that, in addition to providing a conference program booklet during the 2017 conference, we also provided an app so conference attendees could access the program online. During the conference, we asked some attendees to participate in a survey in an attempt to gauge member's overall interest in the paper program vs. the online program with the intention of using responses to guide decisions about the 2018 SCCTM program material. The survey asked attendees if they would prefer the program to be posted online (using an app) or if the program should be printed on paper. Of the 100 surveys distributed, 24 were returned. Results are provided below.

Post the Program Online 12

Print the Program on Paper 11

Do Both 1

Since there does not seem to be a clear consensus, the board will further discuss options for the 2018 SCCTM program. Be sure to be on the look-out for updates. Please contact SCCTM board members if you have additional comments to share about the 2018 conference program.

Contact
SCCTM.exhibits@gmail.com
for Sponsorship opportunities.



TEXAS
INSTRUMENTS

2018 SCCTM Fall Conference



42nd Annual Business Meeting
November 14 – 16, 2018
Columbia, South Carolina



Change the World
of Mathematics
Sow a Seed



South Carolina Council of Teachers of Mathematics

SCCTM 2017-2018 Officers



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Clemson University
Clemson, SC
Pickens County



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Jennifer Wilson
Midway Elementary School
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SC Department of Education
Representative
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State Department of Education
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IT Manager
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Ann Senn
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Ann Senn
JF Bailey & Associates, Inc
Columbia, SC



MathMate Editor
Chris Duncan
Lander University
Greenwood, SC
Greenwood County

News from EdVenture Children's Museum



Copies are also available for teachers at EdVenture's Welcome desk. To book programs, please call 803-400-1151 or email bookit@edventure.org.



Free! Strengthening Families Program

LEARN HOW TO:

Listen more and yell less.

Prevent behavior problems.

Improve your relationship with your kids.

Build stronger relationships in family.

Better manage stress.

Join us! Parents and children are invited to participate in a series of interactive, fun, family nights out.

When and Where

Program will be held weekly starting Thursday, September 6, 2018 at Caughman Road Elementary School from 6:00 pm to 8:00 pm and will continue every Thursday for 14 weeks.

Registration and Deadline

To be qualified for the program, you must have at least one parent/guardian and a child between 6-11. Please return all intake forms to Alexis Price-Davis (information included below in the bottom left corner). No new families may be added to the program after our third session on September 20, 2018. If you are interested but have missed the cut off date, or our program has reached capacity, your name may be added to a waiting list to be a participant for the next cycle of the program.

Strengthening Families Graduation

Families that complete the program will participate in a graduation ceremony and receive a certificate of completion. Any families that have perfect attendance will receive a **GRAND PRIZE!**

Other Benefits

- FREE dinner at each session
- FREE gifts and raffle prizes
- FREE child care
- FREE transportation as needed

For intake forms and more information, please contact:
Alexis Price-Davis
803.400.1167 or 803.331.7431
adavis@edventure.org



K-5 Programs



Middle School Programs

EdVenture's Middle School programs



Bioinvestigations Lab

Halloween HOOLA

Tuesday, October 31

4pm-8pm

Free for children
12 years and younger
\$5 for everyone else

Safe Halloween fun with
scary amounts of candy

presented by MOLINA HEALTHCARE