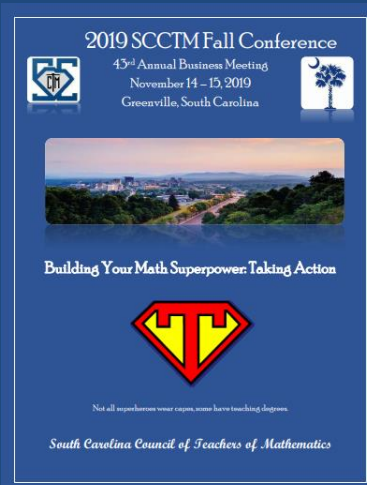




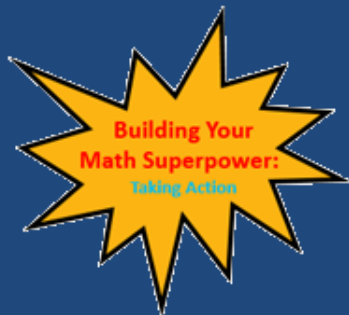
South Carolina Council of Teachers of Mathematics

November 2019 Pre-Conference Issue



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President's Message

Marc Drews

The South Carolina Council of Teachers of Mathematics' (SCCTM) first fall conference was held at Columbia College on October 27–28, 1978.

I was a couple months into my third year as a teacher in Charleston County, earning about \$12,000 that year. Teaching mathematics was different than it is today. Gone are chalkboards, overhead projectors, calculators that needed to be plugged in, and, thankfully, my leisure suits. Teachers weren't using acronyms such as STEM, NCLB, EOC or NBCT or talking about growth mindsets and examining their standardized test scores.



Fast forward to 2019 where our tech-savvy students swipe screens faster than they turn pages and are living in a world of app-filled cell phones, iPads instead of notebooks and textbooks, a wealth of information that can be found on the Internet in a fraction of a second, and answers at their fingertips found using Google.

Our lives as teachers have changed drastically over the past decade and keeping up is a tremendous challenge. But that's why we come together every year. To learn more about how to enhance our instruction, strengthen our understanding of assessment strategies, to visit vendors who share the newest resources and materials available, and to connect with one another, sometimes for the first time since we were together last year.

The SCCTM is all about improving the teaching and learning of mathematics creating opportunities to collaborate with one another, to come together to learn, to help one another examine the systemic issues and concerns facing our schools and communities. We use several venues to accomplish this goal; from our website and Facebook page to grant awards to regular issues of newsletters to The Mathmate. We have planned some upcoming book studies and regional professional learning opportunities to bring teachers together to discuss what they love—teaching mathematics.

One of our greatest ways of supporting our teachers is through our annual conference. Our 2019 theme is Building Your Own Math Superpower: Taking Action and the program is filled with many opportunities to engage with one another and presenters. The sessions are designed to provide a wealth of information, ideas, and resources that will enable you to help you prepare our young people for a future that we cannot imagine.

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SCCTM Presidents

Bonnie Cagan
Eloise Rudy
Patty Smith
Peter Samulski
Barbara Hess
Spike Metts
Dean Sommers
Hamp Sherard
Janice Brown
William Stevens
Chris Tisdale
Betty McDaniel
Mary Elmore
Ed Dickey
Hope Florence
Deborah Donovan
Marge Scieszka
Tina Pateracki
Jean Redfearn
Jan Massey
Sherry Bailey
Ann Mohr
Charles Cleaver
Celia Adair
Linda White Gunnells
Dianne Steelman
Bobbie Kelly
Susan Hall
Bill Gillam
Elaine Rafferty
Donna Foster
Sherri Abel
Dot Harden
Elaine Wiegert
Cindy Parker
Karen Threlkeld
Jennifer Wilson
Christi Fricks
Bill Whitmire
Morondo Lewis
Leigh Haltiwanger Martin

The President's Message

Continued from page 1

Many things have changed since 1978. Our classrooms have taken on a new look, a new feel, with different tools and different strategies to make learning come alive. Whether this is your very first conference or you have been coming regularly for four decades, there will be something for you.

Your willingness to attend this conference and spend time with like-minded people who share your commitment to improving the teaching and learning of mathematics demonstrates what you value and that is your super power.

This is my last president's message. There's really not enough words or space to thank everyone who has contributed to the successful year; however, I'd like to bring it to a close by thanking those who encouraged me to first become a member of the SCCTM, those who helped provide opportunities to grow as a professional in the organization and those who continue to inspire me to do more. While there are so many that I could mention, there are a few that stand out.

To Dr. Louise M. Smith who said that I had to belong to the organization, insisting that I present at conferences. When she hired me as a Charleston County math consultant in 1983, she said that what landed me the job, placing me in the forefront, was my involvement in the organization.

To Dr. William Stevens who encouraged me to proceed with him as the editor of the Mathmate in January 1986, when he became president-elect. It was a professionally enriching experience that offered me the chance to learn from some of the very best in our field. During those ten years, I had the chance to work with many incredible leaders while a member of the SCCTM Board and participate in every conference where nationally-renowned experts presented.

To Dr. Christopher Holley, a former student of mine back in 1986-87, who sent me an article in January 2017, that he read written by Dr. Francis Su as his farewell address as president of the American Mathematics Association. The article served to inspire me to accept an offer to have my name placed on the ballot to serve as president-elect of the SCCTM so I can use the platform to help communities see mathematics differently—as a means to enrich our lives, supporting the values of play, truth, beauty, justice, freedom, community, and love. That's what mathematics is all about.

Isaac Newton said, "if I have seen further, it is by standing upon the shoulders of giants." The SCCTM is comprised of many, many giants and our challenge is to inspire others to want to join our organization and be an active member by offering to volunteer, serve on committees, attending special professional learning opportunities, and agreeing to serve on the board.

Thank you for allowing me the opportunity to serve you as this organization's president. I sincerely appreciate all you do every day to improve the teaching and learning of mathematics. We ARE the SCCTM.

Math Trails

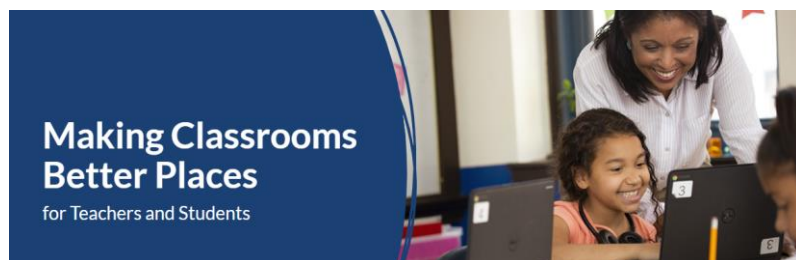
SCCTM members will find this site a great source of support for creating math trails on the playground, neighborhood parks, museums and many other places around their communities that spark interest in and reinforce mathematical thinking.

Jan Cohen, Founder of UrbanMathTrails, drew upon her extensive background in mathematics education, finance and architecture, and a passion for art and the outdoors, and created programs and activities to inspire children to discover math in the environment around them. Building on children's natural curiosity, diverse interests and sense of fun, she envisioned innovative programs in museums, parks, gardens and neighborhoods as a means to excite their mathematical imagination and electrify their mathematical senses.

Her concept was simple: use math to enhance student exploration, communication, understanding and appreciation of the spatial forms of buildings, the patterns of nature and the building blocks of art. UrbanMathTrails promotes authentic connections between mathematics, nature and the arts, enabling students to embrace concepts that transcend the individual disciplines, through observational learning, discovery and application.

UrbanMathTrails programs allow students to be innovative, foster creativity, build critical thinking and have universal appeal among different age groups and types of learners. The programs have a strong emphasis on inquiry, collaboration, and process-based learning; and, are also fun and stimulating. They are designed to pique student interest, sustain their attention, build their thirst for knowledge and develop skills needed in so many careers. For more information, visit urbanmathtrails.com

Curriculum Associates®



SCCTM Book Study

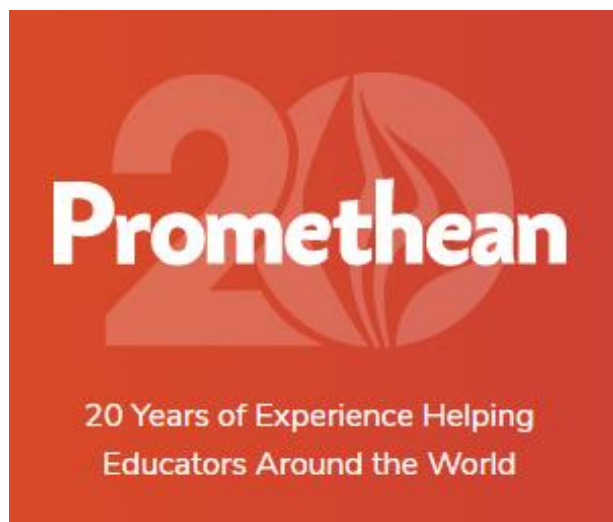
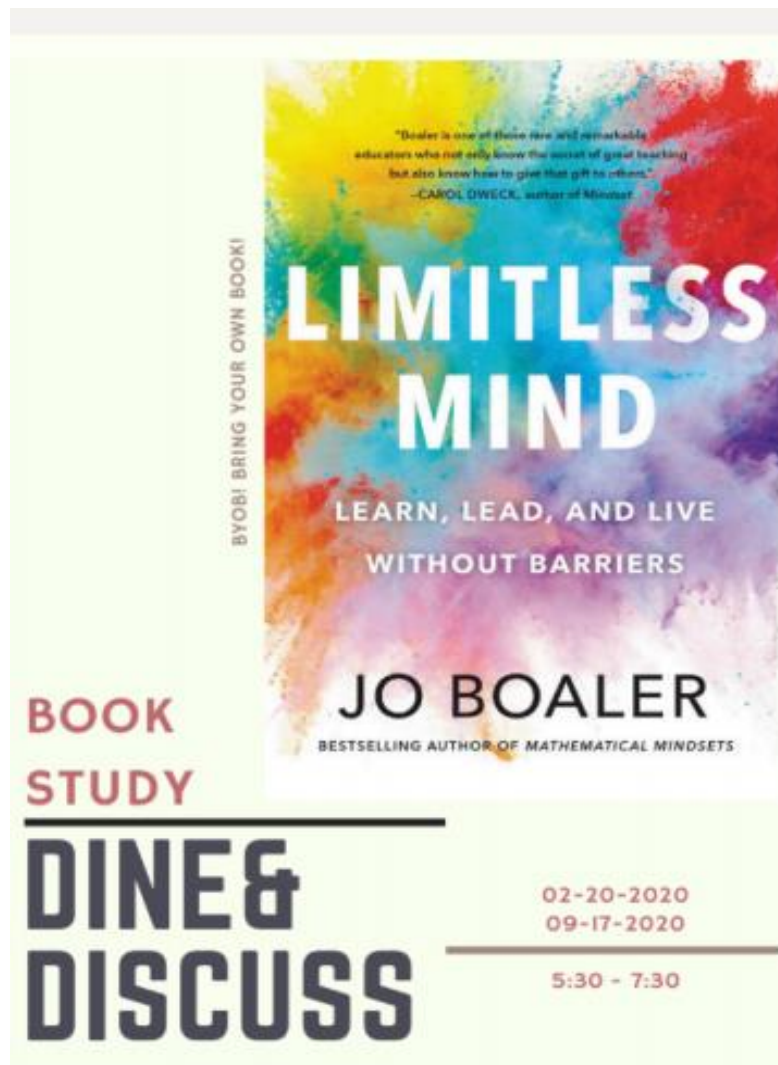
Members and Friends are to be on the lookout for information about a new professional learning opportunity taking place across the state. Host communities include:

Aiken
Columbia
Greenville
Hartsville
North Charleston

Only \$10* for dinner and a lively discussion about the work of Jo Boaler. SCCTM Board members will serve as facilitators, leading the conversations and sharing how the strategies can impact our classrooms.

For information, please contact
Ryan Higgins at rhiggins@coker.edu

*SCCTM member price (\$31 for dinner and membership)



Candidates for President-Elect

Eugene Bellamy, Jr.



With six (6) years of hands-on, technology-driven experience as a classroom teacher and one (1) year of administrative experience, I am eager to grow and learn from the professional community connected to SCCTM. I know that our

membership has a vast knowledge base and we have only scraped the surface of what SCCTM can become. Based upon the knowledge gained, I plan to use my expertise and the expertise of the Board and membership to maximize math academic efficiency and possibilities for professional opportunities for all and future members.

Through numerous professional development learning opportunities, it is my hope that the membership will gain extensive knowledge and effectively implement teaching strategies and skills that provide a positive learning culture and climate in mathematics throughout the State of SC. I am eager to serve and provide support.

My time in the classroom, as an administrator, and the opportunities that I have been presented has enabled me to develop strong communication skills, interpersonal skills, organizational skills, community relationships and leadership skills. It is my desire to maximize these skills in a way that will cultivate a supportive learning environment and reinforce SCCTM's mission, vision, and goals. Furthermore, I am skillful at fostering strong working relationships with all stakeholders. As President, it will be my goal to be an advocate for mathematics and math teachers, support the vision of the organization, work diligently with the Board to fulfill the duties of my role, and grab hold to the vision of the President and help her fulfill her responsibilities of promoting mathematics throughout our State, providing a climate and culture conducive for success and empowering math educators.

Alisa Hobgood



My name is Alisa Hobgood, and I teach Precalculus and AP Calculus at West Florence High School. I hope to be selected to serve as the President of the South Carolina Council of Teachers of Mathematics. I hold degrees from both

Francis Marion University and Lesley University in math and technology education. I am a National Board Certified teacher with over twenty years of experience in the Pee Dee region. In 2012, I was selected as the Florence School District 1's Teacher of the Year.

Professional membership and community involvement are two of the most important aspects of education. I am currently a member of PTSA, SCCTM, and NCTM. I also collaborate with the Center of Excellence at Francis Marion University, helping lead the way for developing college-ready students. I am passionate about math education and producing lifelong learners.

During my time with the South Carolina Council of Teachers of Mathematics, I have served two terms as Vice-President At Large, where I assisted facilitating four state conferences. I also was instrumental in creating the conference app in 2017. Our discussions as a board during the past few years have centered on reaching math educators across the state, through the use of ambassadors and professional development opportunities. I hope to have the opportunity to serve as the President of the SCCTM as we continue to grow a positive math culture for both our educators and their students across our state.

Please note that the start date for the term of the president-elect is dependent on the results of the votes on the recommendation to modify the constitution. If the recommendation is approved, the president-elect's term will begin in November 2020; whereas, if the recommendation is not approved, the term will begin on November 14, 2019.

Candidates for Vice President for Middle School

Caitlin Dabkowski



Caitlin Dabkowski graduate in 2014 with a Bachelor of Science from SUNY Oswego where she double major with a degree in mathematics and adolescent education. She moved to Sumter, South Carolina to work as a 7th grade mathematics teacher at Alice Drive Middle

School. In 2015, she was named Middle School Teacher of the Year for Sumter School District. Currently, she is the Math Chair at her school and the assistant coach of the Girls Track Team. In December of 2018, she graduated from the University of South Carolina with a master's degree in education.

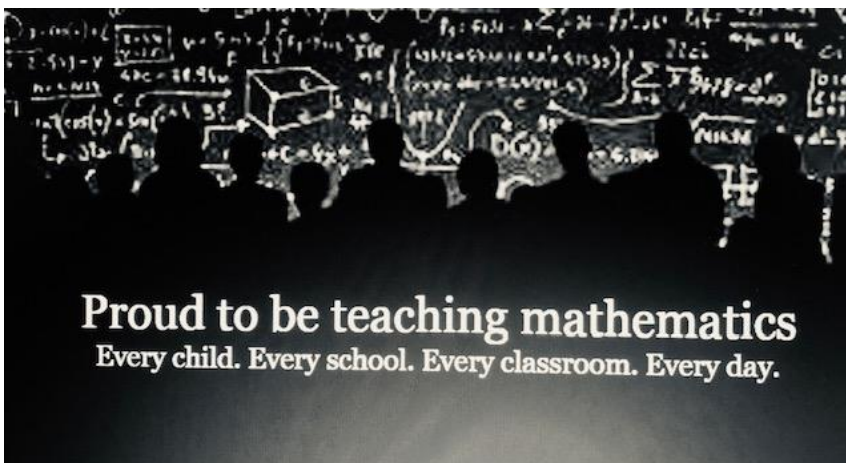
Since moving to South Carolina, she has been part of the SCCTM and has presented at the conference. Her presentations include the Paris Mountain Math Trail and the EdVenture Math Trail. She will be presenting this year on TECHFIT. She is also part of the National Council of Teachers of Mathematics and Delta Kappa Gamma Iota Chapter. Caitlin has been involved with a STEM program called TECHFIT for the last four years where her team has placed in competition. Through TECHFIT she has been able to write an article for the Mathmate, as well as become more involved with TECHFIT and their grant

Kimberly Platt



This is my thirteenth year teaching middle school math in South Carolina. In 2007, I received my bachelor's degree in middle school education from Bowling Green State University and moved to South Carolina to pursue my dream of

becoming a middle school math teacher. Since 2007, I have received my master's degree in secondary administration and my education specialist degree in superintendence both from The Citadel. Last summer, I enrolled at Clemson to pursue my doctorate degree in education systems improvement science. I currently serve as the 6th grade team lead, math department chair for my school, and am a mentor to two new teachers. When South Carolina adopted the SC College and Career Ready Standards, I was a part of the team that created the UPOs and pacing guides for the middle school math curriculum for the district. I have also participated in several professional development opportunities to increase my mathematical knowledge base. I joined SCCTM this school year and am looking forward to the new opportunities.



Here's to making a difference.

The SCCTM continues its journey to help our communities to see mathematics differently. As an organization, we will work to address the systemic issues of access, the achievement gap, authenticity, and advocacy.

We are the SCCTM!

Candidates for Vice President for Post-Secondary

Stephen Bismarck



Dr. Stephen Bismarck has been in the teaching profession for the last 16 years. He has had the pleasure of teaching mathematics in middle school, high school, and higher education. Dr. Bismarck holds a Bachelor of Science degree in applied mathematics with a minor in statistics and a Master's of Arts in Teaching degree with emphasis in

mathematics education from Coastal Carolina University and a Ph.D. in mathematics education from the University of Georgia. Dr. Bismarck is an Associate Professor of Middle/Secondary Mathematics Education at University of South Carolina Upstate and is also currently serving as the Chair for the Education Department. His primary responsibility at USC Upstate is the preparation of middle and high school mathematics teachers. Since coming back to South Carolina 6 years ago, Dr. Bismarck has been an active member of SCCTM, South Carolina Association of Middle Level Educators (SCAMLE), South Carolina Professors of Middle Level Education (SCPOMLE), and South Carolina Leaders in Mathematics Education (SCLME). Dr. Bismarck has also worked with Algebra Nation on a valid alignment to the SC College and Career-Ready Standards for Mathematics as well as the editing of the Algebra I workbook.

His research interests center on the development of conceptual understanding in pre-service and in-service teachers and the integration of technology in the 6 – 12 mathematics classrooms. Through this research, he has had the privilege of working with many exceptional mathematics teachers in South Carolina. Dr. Bismarck's research has been published in NCTM journals (Mathematics Teacher and Mathematics Teaching in the Middle School), the MathMate, the Journal for Research on Technology in Education, and in two book chapters (Building Support for Scholarly Practices in Mathematics Methods and Mathematical Understanding for Secondary Teaching: A Framework and Classroom-Based Situations).

Karen Fonkert



My mission in life is to improve math education in America. I taught middle and high school mathematics for 11 years. I was a math department chair for a near inner-city high school in Michigan, and a large rural high school in Illinois. During those years, I provided professional development to teachers in 4 states. I tried to improve math teaching one school at a time, but

soon decided I needed to reach more teachers, and reach them before they could develop bad habits. So, I earned my Ph.D. in K-12 Mathematics Education from Western Michigan University and studied under Christian Hirsch who chaired the secondary writing committee for the 1989 NCTM Standards. I was a fellow for the Center for the Study of Mathematics Curriculum, which was an NSF collaborative involving Western Michigan University, Michigan State University, the University of Missouri, and the University of Chicago. This allowed me to learn from some of the best math teacher educators in the country.

I have been teaching at the college level for 13 years. I currently teach math education courses for elementary, middle grades, and high school pre-service teachers at Charleston Southern University. Many of my students have gone on to become Rookie Teachers of the Year and Teachers of the Year out of all the teachers of all subjects in their respective schools. Additionally, I serve on the steering committee for the Charleston STEM Festival, and the Cradle to Career Math Pathways Project in the Lowcountry. These initiatives aim to improve math education and promote math careers to students in South Carolina. I look for every opportunity to impact students' learning of mathematics.

Candidate for Vice President at Large

Chris Higgins



My name is Chris Higgins and I am a Math Teacher/Math Coach at South Carolina Connections Academy (SCCA). My 15 years of educating at the middle and high school levels have been some of the most life-shaping experiences, second to my wife and two beautiful daughters. After graduating from Indiana University Southeast ('04) with a major in 5-12 Math Education and a minor in General Science, I spent 9 years teaching at the middle school level and then another 3 years at the high school level. During that time, I completed my master's in education from Indiana Wesleyan University ('09) and took on multiple team leadership roles.

A teaching opportunity for my wife brought us to South Carolina, a state that has been like a second home as my parents and I would regularly visit family that still live here today. Since moving, I have had the good fortune to work with amazing students and staff at SCCA and further my teaching practice as an Associate Lecturer at Coker University. My experience teaching online has taught me more about the diverse learners, their needs, and how to facilitate these educational needs in an exciting format. In recent years I have taken advantage of opportunities to develop professionally and share my experiences with other staff members and at professional conferences. In closing, I'd like to say, I feel I would be a strong candidate for the VP At Large position as I believe my experiences will allow me to consider the needs of our local educators and represent them well while fulfilling my duties. I am a dedicated individual who will do all I can to represent teachers and the field of mathematics in a positive manner.

To be voted on during our Annual Business Meeting

At its April 27 meeting, the board voted to amend the bylaws to allow the president-elect to serve one year, followed by a two-year stint as president and a one-year term as past president. For this to happen, the board will need to amend our constitution, present it to the members at the conference and garner a 2/3 majority of those members attending our annual business meeting.

The change in the president's term would restructure the board whereby every year it would include either a president-elect OR a past president. Currently, the Constitution states that both positions shall be on the board. Because the offices of president-elect and past president will rotate every year, it will be necessary to change the words "shall be" to "may include".

Currently, the constitution reads as follows:

Article IV. Officers

Section 1. The officers shall be President, President-Elect, the immediate Past-President, Secretary, Treasurer, Vice-President for Elementary Teachers, Vice-President for Middle School Teachers, Vice-President for High School Teachers, Vice President for Post-Secondary Teachers, Vice-President at Large, and National Council of Teachers of Mathematics Representative.

It has been recommended to be amended as follows:

Article IV. Officers

Section 1. The officers may include President, President-Elect, the immediate Past-President, Secretary, Treasurer, Vice-President for Elementary Teachers, Vice-President for Middle School Teachers, Vice-President for High School Teachers, Vice President for Post-Secondary Teachers, Vice-President at Large, and National Council of Teachers of Mathematics Representative.



42nd Business Meeting Minutes

November 15, 2018

Columbia Convention Center

Call to Order 4:45 PM

Leigh Martin

The 42nd Annual Business meeting was called to order. President Martin thanked everyone for attending the conference and coming to the business meeting. Agenda displayed from the projector screen.

Secretary's Report – approval of the minutes

Alva White

Copies of the minutes from the 41st board meeting were emailed, made available on the webpage, and a copy placed at your table. One correction received via email. Section V, page 3, under the Bill Whitmire Award, the word present should be presented. Motion made by Morondo Lewis and second by Tina Pateracki to accept the minutes with the said correction.

Treasurer's Report

Gina Dunn

The fiscal year for the organization runs from July 1, 2017 to June 30, 2018. Income for the fiscal year was \$136,866.00 and expenses were \$103,823.79.

NCTM Updates

Ryan Higgins

NCTM currently has a \$59/ year introductory membership offer. This offer will last for two years. NCTM is currently reorganizing. Select online access is no longer available to the public but accessible for members. A report will be submitted for the organization's goals and accomplishments for this year.

Recognition of Committee Chairs

Leigh Martin

(Thank you for your time and efforts!)

All committee chairs (listed below) were recognized by standing and with a round of applause.

Certificates were presented to Christie Fricks and Erica Aiken for their efforts with soliciting door prizes for the business meeting giveaways. A total of 47 door prizes were secured. Student pages were recognized and welcomed to the SCCTM organization and education field.

Awards Committee – Ed Dickey

Conference Co-Chairs (Site and Program) – Leigh Martin and Morondo Lewis

Commercial Exhibits – Lane Peeler

Door Prizes – Christie Fricks and Erica Aiken

Educator's Scholarship Committee – Bridget Coleman

Equipment IT Manager – Bill Gilliam

Grant Awards Committee – Marc Drews

Math Trail at EdVenture – Caitlin Dabkowski

NCTM Materials – Ryan Higgins

Pre-Service Scholarship Committee – Chris Duncan

Program Manager – Cindy Parker

Registration – Cindy Parker

Special Training Committee – Marc Drews

Speaker Coordinator – Cindy Parker

Student Pages – Bridget Coleman

Award, Grant and Scholarship Reports

The following awards and grants were announced.

Educator's Scholarship – Bridget Coleman

Statements were read from the recipient's principal and personal statement. The winner was Marsha Neal from Hardeeville-Ridgeland Middle School with Jasper County School District. Marsha Neal received a gift of \$1,500.

Pre-Service Teacher Scholarship Awards – Chris Duncan

Statements were read from the recommendation letters for each recipient. Three awards were presented this year. The winners were Angelia Stewart from USC Upstate, Kathryn Warnken from Lander University, and Chynna Wilson from USC Columbia.

Mixed Media Contest Winner – Jennifer Wilson

The basis of the contest and process was explained as well as the prizes that are given to the winners was shared. The winners, their category and school are listed below. Artwork will be displayed at the conference and EdVenture Museum. Winners will receive \$50.

Grayson Lamb (K-2) – Cowpens Elementary
Kaden Childers (3-5) – Cowpens Elementary
Mallory Richardson (8th grade) – Pacolet Middle School
Raine Mariano (8th grade) – Honorable Mention

Presidential Awardees (PAEMST) – Sandra Ammons

The award details were explained and the process for receiving the award was shared. The winners and their school are listed below.

Finalist for 2017-2018

Erica Aiken – Mauldin Middle School, Greenville County School District
Linda Branham – Leslie M. Stover Middle School, Kershaw County School District
Patricia Smith – Bethel Elementary School, Clover School District

State Winner for 2015-2016

Tami Broomall – Spartanburg 6 District Office

Teacher Grant Awardees – Marc Drews

The winning proposals were submitted by Dawn Bryant from J.D. Lever Elementary in Aiken County, Wanda Noblin from Cowpens Elementary in Spartanburg School District Three, and Carrie Simpson from Robert Anderson Middle School in Anderson School District Five.

Outstanding Contribution to Math Education Award – Ed Dickey

SCCTM board members thanks for their dedication for the work done from this organization. There are two winners this year. Bios read for each recipient. The honorees are Gloria Allen and Gwen Johnson.

SCCTM Ambassadors

Leigh Martin

Recognition given to Eugene Bellamy, Jr. for developing the idea of SCCTM Ambassadors. The job of an ambassador was shared. We have new five ambassadors. Their names and schools are listed below.

Lisa Daniels – Joseph Keels Elementary in Richland Two School District

Rachael Smilowitz – Charleston County District Office

Patricia Smith – Bethel Elementary in Clover School District

Amada Snipe – FES Academic Support in Dorchester Two School District

Cheryl Witherspoon – Fairfield Central High in Fairfield One School District

Recognition of Outgoing Officers

Leigh Martin

All outgoing officers were recognized.

Treasurer – Terri Dew

NCTM Representative – Ryan Higgins

VP Elementary – Jennifer Wilson

Past President – Morondo Lewis

VP Secondary – Sherry Young

President Elect – Marc Drews

Secretary – Alva White

President – Leigh Martin

Passing the Gavel

Leigh Martin to Marc Drews

The gavel passed to the new president, Marc Drews, in the form of his new name badge. President Drews then honored the Past President with a gavel. Announcement about the details for the next conference. The next conference will be held in Greenville, SC on November 14-15, 2019. The theme is “Building Your Math Superpower: Taking Action.”

Installation of New Officers

Marc Drews

The election results were announced and recognized by President Marc Drews.

VP Elementary – Donald Sarazen

VP Secondary – Alva White

Secretary – Brantay Cohens

NCTM Representative – Christi Fricks

President Elect – Ryan Higgins

Door Prize Drawings

Christi Fricks and Erica Aiken

A total of 47 names announced and prizes distributed.

Announcements

Marc Drews

Special recognition to Gwen Johnson and Gloria Allen was made by William Cue, USC Aiken for their being honored as this year’s recipients of the organization’s Outstanding Contributions to Mathematics Education Award.

The meeting was adjourned at 5:56 PM.

BUILDING YOUR MATH SUPERPOWER: TAKING ACTION

November 14-15, 2019
at the Greenville Convention Center

Thursday Morning Keynote Address

Dr. Trena Wilkerson
NCTM President-Elect



Trena Wilkerson is a mathematics education professor in the Department of Curriculum and Instruction in the School of Education at Baylor University in Waco, Texas where she teaches both graduate and undergraduate mathematics education courses and conducts professional development and research. She

taught high school mathematics for 18 years. She is the current NCTM President-Elect and has published in several of NCTM's journals, *Mathematics Teaching in the Middle School*, *Mathematics Teacher*, *Teaching Children Mathematics*, and *Journal of Research in Mathematics Education*, chaired the MTMS Editorial Panel and served on the NCTM Board of Directors. She loves teaching and learning mathematics in support of current and future mathematics teachers and leaders.

NCTM turns 100 in 2020. Join thousands of math education professionals in Chicago on April 1-4, 2020, as we celebrate at the Centennial Annual Meeting & Exposition. In addition to compelling sessions, networking opportunities, and valuable content, there will be special events and surprises to mark the occasion.

Something like this only happens every 100 years!



Taking Action Together in Mathematical Teaching and Learning: Empowering Teachers to Empower Students

What does it mean to combine our math superpowers to work together to impact student learning and empower students mathematically? We will look at individual and collective responsibilities and opportunities and what our role is in taking action to effect student mathematical learning along with engaging in mathematical tasks and exploring resources available and needed to do this. Let's empower teachers' math superpower through action that can then empower students in learning mathematics. Let's do this!

David Ebert, NCTM Board of Directors

In addition to meeting Trena Wilkerson, the 2019 SCCTM Conference attendees will have a chance to meet David Ebert, a member of the NCTM Board of Directors, who will be presenting three sessions. His sessions are Mathematics + History + Social Justice = Global Mathematics (5), Practical Formative Assessment Strategies to Use with High School Students (87) and Using Mathematical Modeling to Engage All Learners (151).

Thursday Afternoon Keynote Address
Dr. James Burnett
CEO, ORIGO Education



James Burnett is the founder and CEO of ORIGO Education. He is passionate about education and is continually striving to make mathematics learning meaningful, enjoyable and accessible by all students and their teachers. He has authored and co-authored more than 300 mathematics resources for teachers and

students and regularly speaks to audiences across Australia and North America.

James aims to lift the profile of mathematics through dynamic professional learning and the development of innovative print and digital resources for the classroom. His achievements have been recognized with awards such as the 2009 *Ernst & Young Entrepreneur of the Year Award*; the 2017 *Elementary Publisher of the Year Award* (Australia); and *Learning Magazine's 2018 Teacher's Choice Award* for ORIGO's core K-6 math program *Stepping Stones 2.0*.



Developing Fact Fluency
from Conceptual Understanding –
Rather than Gimmicks!

Fact fluency is more than the memorization of isolated facts. Students need to see connections among facts. They need visual representations to help form a 'mind picture' that connects to a thinking strategy. This session will model appropriate visual aids that help students to master the basic facts – with understanding results!



South Carolina Leaders Of Mathematics Education



Thank you, SCLME for providing the popcorn at the conference!

Friday Morning Keynote Address
Dr. Bernard Frost, Director
Teacher Quality and Staff Development
Spartanburg School District Two



Dr. Bernard. E. Frost is currently the Director of Teacher Quality and Staff Development for Spartanburg School District Two. He also serves as the Southern 1 Regional Director of NCSM: Leadership in Mathematics; Partner in Transforming Learning Culture, LLC; and the Past-President of South Carolina

Leaders of Mathematics Education. With over 14 years of teaching experience and conducting professional developments, Dr. Frost's passion for education is evident in his willingness to put forth 100% in developing professional development opportunities that assist educators' in their ongoing process of improving instructional practices that impact student achievement.

A snapshot into his classroom modeling lessons, coaching sessions, and professional development workshops would reveal richly developed lessons guided by inquiry-based learning strategies based on students'/teachers' needs. Students and teachers who attend his sessions are captivated and engaged in hands-on activities he provides to his attendees. Information shared at these sessions also provides attendees with a deeper understanding and reflective practices that transfer into effective teaching and learning. Facilitating professional learning sessions has given Dr. Frost the opportunity to travel around the country as a keynote speaker and trainer.

As a consummate researcher and practitioner, Dr. Frost focuses on ways to improve instructional practices and student achievement. He continuously researches new strategies to meet the needs of administrators, teachers and students. The learning gleaned from his research provides an excellent basis for comparison with previous skill sets as a classroom teacher which immediately yields dividends in its applicability to his various roles in school districts.



Strengthen Your Teaching Superpowers Using
Math Strategies that Promote Engagement

Teachers have the power to engage and take action. This session will strengthen teachers' superpower of engagement by exploring multiple ways to implement lessons with fun and innovative activities that will get students involved in the learning process. Teachers will be provided multiple activities to engage ALL students, promote academic discourse, and assist students with developing a conceptual understanding of each lesson.

Dr. Frost's commitment to help teachers has recently transferred onto his current position and as an Adjunct Professor at Converse College, in which he helps preservice and first year teachers. Frost says, "Inspiring the next generation of teachers provides great insight on the future of education and allows me to have an impact on it."

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Learn More About MARC

Judy Rodgers, a regional member of the NCTM Membership and Affiliate Relations Committee (MARC), will be joining us at this year's conference, including helping with a session on Thursday morning at 8:30 in the Atrium.

MARC provides strategic guidance on the development and implementation of NCTM programs and activities to recruit, retain, and increase value for the membership, including strengthening and enhancing our core image through experiences that support and energize teachers' passion for their profession; leveraging NCTM's resources, conferences, educational tools, website, content, and webinars.

Friday Afternoon Keynote Speaker

Dr. Laurie Boswell



Laurie Boswell taught high school mathematics for 25 years at Profile School in Bethlehem, NH. She then became the Head of School and taught middle school mathematics at The Riverside School in Lyndonville, VT for ten years. She retired from

Riverside and is now working fulltime writing and providing professional development and embedded coaching in schools throughout the United States.

Laurie earned her B.S. in Mathematics and M.Ed. in Mathematics Education from Plymouth State University and her EdD in Educational Leadership and Policy Studies from the University of Vermont.

Laurie has presented at numerous local, state, regional, and national conferences on geometry, algebra, assessment, and instructional practices. She is a co-author of elementary, middle school and high school textbooks, and has written articles for national and state publications. Her current interest is in research related to high impact teaching strategies.

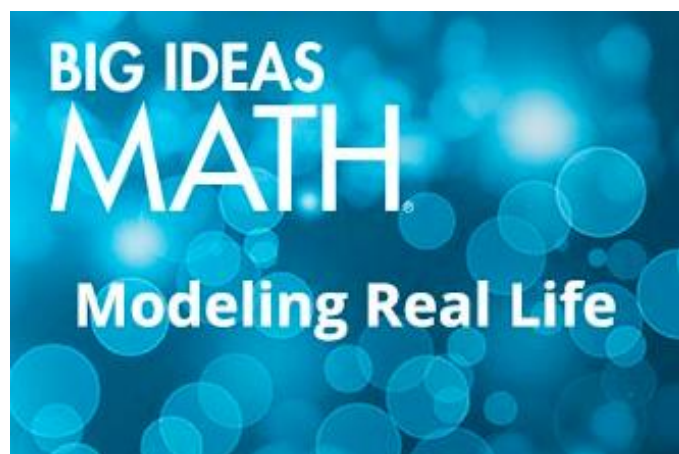
Laurie has served in many leadership positions. She was the president of the NH Teachers of Mathematics and the Council of Presidential Awardees in Mathematics. She also served on the Board of Directors for the National Council of Teachers of Mathematics and the National Council of Supervisors of Mathematics.

Her hobbies include geocaching, gardening, and spending time with family and friends.



Teacher Superpowers: Fact or Fiction?

Whether you are a veteran of the classroom or in your first year, there are things you just know to be true. For instance, your bladder control is far superior to any of your friends, unless of course they too are a classroom teacher. That's a superpower! You also know the importance formative assessment as a means to receive student feedback and improve student achievement. That's a superpower! This session is a lighthearted ... and serious look at teacher superpowers.



Thank you, EdVenture for your partnership and hosting our quarterly board meetings.

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2020
March 14 – April 11

Deadline: November 29, 2019 for SC STEM Educator of the Year Nominations

Deadline: January 15, 2020 for “Growing in SC: The Future of STEAM is Here” Regional Grants

2020 South Carolina STEM Education Month Opportunities

Pi Day, March 14 – April 11, 2020 is South Carolina’s STEM Education Month. The goal of SC STEM Education Month is to bring awareness and celebrate South Carolina’s commitment to student success in STEM (Science, Technology, Engineering and Mathematics) programs and the accomplishments in STEM education around our state. During the month, school districts and other organizations throughout South Carolina are encouraged to highlight efforts designed to increase access to STEM learning and to recognize outstanding examples of leadership, collaboration and achievement in STEM.

Support SC STEM Education Month by showcasing and celebrating excellent work in STEM during SC STEM Education Month. You can get involved by participating in, hosting or attending events. You can register public events or look for STEM opportunities to participate in at STEM Linx - <https://stemlinx.org/>.

In conjunction with the 2020 SC STEM Education Month celebration, South Carolina's Coalition for Mathematics and Science / S²TEM Centers SC is awarding 5 grants to South Carolina schools and/or classrooms, one in each region. The grants support the development and implementation of new projects and/or units that enhance preK-12 STEAM education as related to the Profile of the SC Graduate. Grantees received up to \$2,500. In addition to the monetary award, grantees received onsite STEAM focused professional development valued at \$1,500. More information at <https://www.s2temsc.org/grants-2020.html>.

Additionally, Comporium in partnership with South Carolina Future Minds, Dominion Energy, and SCCMS/S²TEM Centers SC are joining together to power SC STEM Educator of the Year designed to honor teachers who are inspiring students across the state to develop a passion for STEM subjects. The deadline for nominations is November 30, 2019 at <https://scfutureminds.org/stem-educator-of-the-year/>. The winner will be awarded \$5,000.

Winners for the grants and SC Educator of the Year will be honored at the SC STEM Day at the Capitol on Thursday, March 26, 2020.

We want to recognize those that participated in SC STEM Education Month. Be sure to complete our “Be Counted” form <https://www.sccoalition.org/sc-stem-month.html> to receive your official recognition letter and have your organization name posted on the SC STEM Education Month participant webpage.

Additional information on these initiatives and other ways to get involved can be found on SC STEM Education Month webpage - <https://www.sccoalition.org/sc-stem-month.html>.

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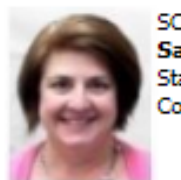
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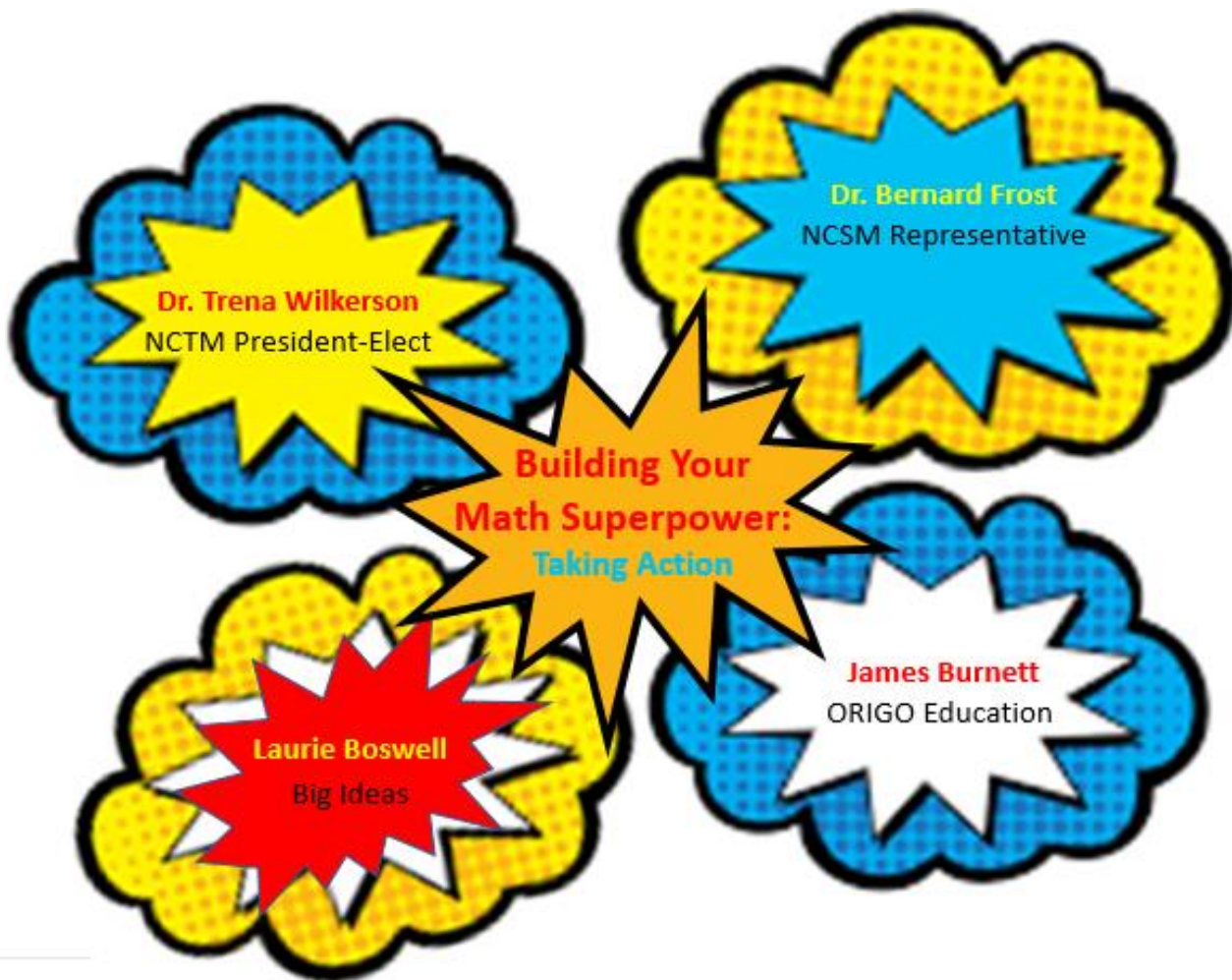
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SCCTM Annual Conference – Greenville, South Carolina – November 14-15, 2019