



South Carolina Council of Teachers of Mathematics

June 2013

Volume IX, Issue 2

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President's Greeting

Hello Mathematics Educators,

Can you believe that another school year is over! I am amazed every year how fast the years go by. I'm sure that you are as busy as I am in preparing for the New Common Core Standards. In this issue, we will give you more details about our upcoming Fall Conference and other professional development opportunities. You will also receive information on the grants and scholarships that are sponsored by the SCCTM along with information about many other SCCTM events. Preparations are currently in the works to make the Greenville Conference this October just as successful as the Myrtle Beach Conference was this past October.




I look forward to seeing you at the 2013 Greenville Conference,

Karen Threlkeld
scctmpresident@gmail.com

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the best interest.
Benjamin Franklin*

SCCTM Educator's Scholarship

Bill Whitmire, VP-Post Secondary & Committee Chair

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 website at www.scctmprogram.org.

SCCTM Pre-Service Scholarships

Gina Dunn, Committee Chair

This scholarship provides financial assistance of \$1500 to deserving pre-service teachers who express their intention to specialize in the teaching of mathematics. 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 website at www.scctmprogram.org.

SCCTM Grants

Jennifer Wilson, President-Elect & Committee Chair

The SCCTM Executive Board awarded two grants this year.

Congratulations to:

Brooke Lance – "Inquiry + Technology = Lakeside"

Brook Lance will receive a SCCTM grant for \$1200 to implement her grant, "Inquiry + Technology = Lakeside." Ms. Lance will use her grant to fund the purchase of materials to aid in the development of stations that can be used for inquiry lessons in her seventh-grade classes.

William L. Austin – "Math and Algebra for Life"

William L. Austin will receive a grant for \$1500 from SCCTM to fund his grant "Math and Algebra for Life." Mr. Austin will purchase robotics equipment with his grant so that his middle school students can participate in "hands-on, math rich, robotics" activities.

Award Nominations

Dot Hardin, Committee Chair

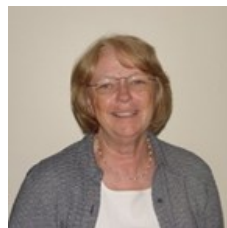
Each year SCCTM recognizes an educator who has made significant contributions to the educational community in our state. If you would like to nominate someone for this award, please go to www.scctmprogram.org to find specific information about award requirements, the nomination form, and a list of past recipients.

Please send your nomination to Dot Hardin (dhardin47@gmail.com) no later than July 15, 2013. The award will be presented at the SCCTM 2013 Fall Conference in Greenville on October 24, 2013.

The MathMate

Elaine Wiegert, Editor

The MathMate, SCCTM's mathematical journal, will soon be available to our members. Elaine Wiegert and a group of reviewers have been hard at work editing the next edition.



Call for Manuscripts:

The Editorial Board of *The MathMate* invites you to submit manuscripts for upcoming publications. We really need articles or activities for the 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 that activity and submitting your manuscript for consideration for publication in *The MathMate*. You may submit your manuscript to: scmathmate@gmail.com.

Please put the following information on a cover sheet:

Name:

Contact Information:

Grade Level:

Thank you for sharing your expertise with other math teachers in South Carolina. Elaine and the SCCTM board look forward to receiving your manuscripts for review. If you have any questions, contact Elaine at: SCMathMate@gmail.com

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Website Information

We have added a new website with current information. Please check out www.scctmprogram.org for information on and forms for the 2013 Fall Conference, Scholarship Opportunities, Professional Development Events, and our upcoming 2013 Sponsors. Find current and old pictures in the Photo Gallery as these are updated.

Volunteer Opportunities

SCCTM has several volunteer opportunities for you!

We need volunteers for the following areas:

Door Prize Conference Committee
Registration Conference Committee
NCTM & SCCTM Booth Conference Committee
Student Pages Conference Committee
Write an article for *The MathMate*
Speak at the Fall Conference
Express interest in serving on the SCCTM Executive Board

To volunteer, please complete the Time and Talent Form on Page 15.

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*The union of the mathematician
with the poet, fervor with
measure, passion with
correctness, this surely is the
ideal.*
William James

Do you have a "mathism" you
would like to share with your
peers? Send us your favorites at
SCCTMProgram@aol.com.

2013 Conference Preview

Cindy Parker, Past President & Program Chair

We have been hard at work preparing for our 2013 Annual Fall Conference to be held at the TD Convention Center in Greenville on October 24 – 25. The conference cost is \$75 for members or \$100 for non-members if you register before September 30, 2013. Students can register for \$25. The Conference Registration form and Instructions are on Pages 16-17 of this newsletter. Keynote speakers will include a presentation from Casio on NASCAR and Mathematics.

Authors' Luncheon

We will have our 3rd annual Author's Luncheon on Friday, October 25. Please make sure to purchase your ticket for the luncheon when you sign up for the conference. The luncheon is \$19.50 for members and \$29.50 for non-members if you registers by 9/30/13. We have three authors this year, Jerry Pallotta, Candace Brucke, and Jonathan Miller.

Jerry Pallotta

Mr. Pallotta's writing career began in 1985 as he looked for ways to teach his children the alphabet. He found that most of the alphabet books sounded the same. Mr. Pallotta had a love for the beach having spent many of his childhood summers at the beach. He decided to merge his love for the beach with his desire to teach children the alphabet. This led him, at age 32, to write his first book, *The Ocean Alphabet*. He originally sold 5,000 copies to the New England Aquarium where it became a best-seller. He has since created 20 alphabet books, including *The Airplane Alphabet Book*, *The Bird Alphabet Book*, *The Butterfly Alphabet Book*, and *The Icky Bug Alphabet Book*, just to name a few. He then branched out to write mathematics books. These include *The Crayon Counting Book*, *The Icky Bug Counting Book*, *Hersheys Milk Chocolate Fractions Book*, *Hershey's Kisses Addition Book*, *Reese Pieces: Counting by Fives*, and *Twizzlers Percentages Book*.



Candice Brucke



Candice Brucke has taught middle school 20+ years, including 13 years as a middle grades math teacher. Candice is also an accomplished author. Her published books include: *Crossing Carolina*, a collection of Poetry and Short Stories, *Night-Night Town*, and *Wrappers Wanted: A Mathematical Adventure in Surface Area* and an unpublished book – *Math of a Princess*. Her article *Connecting Literature with Mathematics Activities Involving Adolescent Literature in Middle Grades Math Class* was published in the SCMSA 2010 Journal. Candice has spoken at past SCCTM Conferences; she presents at national and state conferences on integrating math lessons and children's literature. Needing more math-based literature to use in her classroom, Candice began writing her own stories on concepts that were geared more for middle level students. She wrote *Wrappers Wanted: A Mathematical Adventure in Surface Area* which addresses learning styles, learning preferences, and can be tiered to meet learning differences. She presents this book, along with *Math of a Princess* at conferences throughout South Carolina.

Jonathan Miller

Mr. Miller is a native of South Carolina who graduated from Clover High School and then obtained a business degree from the College of Charleston. He is the author of the *Sammy the Wonder Dachshund* series of books. These books tell of the adventures of Sammy as he travels to historic sites and landmarks working as a fact checker for an internet company. Mr. Miller's artwork and illustrations in the books has a distinctive style. He uses construction paper in his designed illustrations and will share how mathematics is used to craft the illustrations and art in his books.



Elementary News

Joyce Moon, Vice President for Elementary

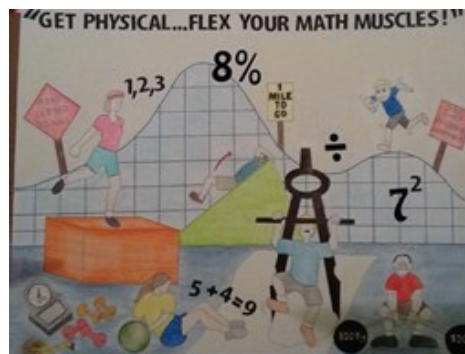
The SCCTM Board was delighted with the very creative and informative posters submitted by students for the 2013 SCCTM Poster Contest! Voting occurred at the Executive Board meeting on May 4, 2013. The theme for this year's contest was "Get Physical! Flex Your Math Muscles." Each First Place winner will receive \$50 and have their posters showcased at the 2013 Fall Conference and subsequently at the EdVenture Children's Museum in Columbia, SC. The Honorable Mention winner will have his poster showcased at the 2013 Fall Conference and subsequently at the EdVenture Children's Museum in Columbia, SC.

Grades 5-6 Winners:

First Place

Nicole Raikin

6th grade
McCants Middle School
Anderson, SC
Sponsored by Jennifer Wilson



Honorable Mention

Grayson Skinner

6th grade
Camperdown Academy
Greenville, SC
Sponsored by Rebecca Shaw



Grades 7-8 Winner:

First Place

Elizabeth Bundrick

8th grade
R.C. Edwards Middle School
Clemson, SC
Sponsored by Traci Hedetniemi



Middle School News

Christi Fricks, Vice President for Middle

Math Counts – by Marguerite McClam

It is hard to believe that this year is thirty years of the MathCounts program. For the last thirty years, in South Carolina, we have been blessed with Coaches, Administrators, Parents, Students, and Professional Engineers improving Math in SC. The MathCounts program provides fun and challenging math programs for US middle school students to increase their academic and professional opportunities. Thirty years ago, the program was only a competition program. Since the beginning, the program has expanded to reach all levels of students in the 6th, 7th, and 8th grade. By introducing the Club program, there is now a way, that a school can just compete against themselves since not all schools want to compete against other schools. Now with the ReelMath Challenge, we have a way to involve students who lean towards the arts to have a way to learn more math.

This year has been a great year for MathCounts in the Great State of South Carolina, SC. Our year started with approximately 680 students registering for Chapter Competition in the State, representing approximately ninety-three middle schools out of approximately 300 middle schools from SC. Approximately 1,116 students were involved in the MathCounts Competition Series, school, chapter, state and national. Out of the 93 schools that registered and attended chapter competition, 23 schools had students that advanced to the State competition, 12 as teams of 4, and the remaining students advancing as individuals.

Each school that registered in the MathCounts Competition Series also received the MathCounts Club program to use in the school, for all students at the school. In addition to these schools in the MathCounts Club program, an additional 34 schools in SC signed up to be MathCounts Club program only schools, out of 1,559 MathCounts Club program only in the Nation. The MathCounts Club program is offered free to any school that signs up. It has material that can be used for all students in grades 6 through 8.

In the second year, of the ReelMath Challenge, SC had eight videos out of 253 videos entered into the ReelMath Challenge. Please see the web page <http://www.reelmath.org/videos> to view these videos. The videos are broken into topics for teachers, parents, and students to use as another learning tool. Making a video is a great way to incorporate cross curriculum into math. Start thinking about how you can work with other teachers in your school to become involved and make videos next year. Every student in your school can be involved; you are allowed more than one video per school. See webpage <http://www.reelmath.org> for the rules. This is a great way to incorporate technology into the classroom along with drama, music, art, and other subjects. Let the students decide what tools they have, and let them choose which tools are needed to make their video. They will surprise you with what they write and produce.

***2013 SCCTM Fall Conference
TD Convention Center
Greenville, South Carolina
October 24 & 25
information at www.scctmprogram.org
Conference Registration Form—pg 17***



Middle School News continued

South Carolina's State MathCounts Competition was held at the University of SC-College of Engineering and Computing on March 2, 2013. The winners of South Carolina's State MathCounts Competition are as follows:

2013 State MathCounts Team

Cathy Stinson, Coach Dent Middle School

1st Place – Guanpeng “Andy” Xu, 6th grader at Sterling School

2nd Place – Jenning Chen, 8th grader at Dent Middle School

3rd Place – Max Land, 8th grader at Dutch Fork Middle School

4th Place – Vinita Cheepurupalli, 7th grader at Dent Middle School

2013 State MathCounts Results

1st Place – Dent Middle School - Cathy Stinson Coach

2nd Place – Sterling School – Connie Gordon Coach

3rd Place – R.C. Edwards Middle School – Sheila Amberg Coach

4th Place – Fort Mill Middle School – Naomi Elkin Coach

The State MathCounts team worked very hard from March 2, to National Competition. Each student worked approximately 300 math problems a week, in addition to their regular schoolwork and extracurricular activities. The team departed SC on early May 8th, enroute to Washington D.C. for National MathCounts Competition. While in Washington D.C., the team had photos taken with Senators Graham and Scott, Congressmen Wilson, Duncan, Clyburn, and Rice. Congressman Wilson came out of meetings dealing with the funding of Savannah River Site, SRS, to meet with the Team. He asked the team questions, and used some of the information provided by the students about high tech careers and higher levels of math needed for jobs in SC. I would like to think that some of the information provided by our students helped SC obtain \$79 million in funding to SRS, to keep these high tech, and science jobs in SC. Congressman Rice gave a personal tour of the Capital and bought lunch for the team in the Congressional Private dining room in the Capital. What a special memory for the team.

One would think that would be the highlight for the team, but more exciting was seeing SC place 16th out of 56 teams, one of the highest, if not highest SC has placed in 30-years. Guanpeng “Andy” Xu, placed 3rd in the written round at National and was a semifinalist in the Countdown round, which means he was in the top four middle school students in the Nation in middle school math, not bad for a 6th grader. First and second place were 8th graders. The Countdown Round may be viewed at http://espn.go.com/watchespn/index/_/id/885957/mathcounts. It was shown live on ESPN3, so you may see it again on ESPN. After the competition, all of the students along with 20 others, including myself, set a World Guinness Record for the fastest time to construct the first 25 rows of Pascal's Triangle (Human Formation) <http://photos.prnewswire.com/prnfull/20130510/NE12188>. Google MathCounts World Record and you will find videos of the triangle forming.

MathCounts is where all US middle school students are inspired and motivated to improve their math abilities, thereby providing them with critical skills that will significantly impact their personal and professional lives. MathCounts is a program, not just competition, if you or your school are not involved, or just want to know more about MathCounts, please contact Marguerite McClam, PE at mmcclam@pceg.net. Thank-you, to all students, coaches, parents, volunteers, and engineers for making MathCounts a success for the past 30 years, I look forward to the next 30 years of MathCounts with you.

High School News

Amanda McKee, Vice President for Secondary

High School teachers are busy preparing for the common core standards. This coming year, 2013-2014, will be a bridge year. Many schools are instituting the common core standards in their course beginning this coming year. There are many sites available that can aid each school in the preparation process. For example, there is a flipbook from Kansas that attempts to explain each standard as well as provide examples of the standards. This can be found at <http://katm.org/wp/wp-content/uploads/flipbooks/High-School-CCSS-Flip-Book-USD-259-2012.pdf>. Please share any exciting lessons that can enhance our use of the common core standards by presenting them at our Fall conference in Greenville. Go to the SCCTM website, www.scctmprogram.org for a speaker proposal form.

NCTM News

Sandy Powers, NCTM Representative

Summer Institutes

Algebra Readiness for Every Student; an NCTM Interactive Institute for Grades 6-8; 8-10 July 2013; Hilton New Orleans Riverside.

Registration on line at www.nctm.org/algebra/

Connecting Number and Operations in the Classroom; an NCTM Interactive Institute for Grades Pre-K-5; 11-13 July, 2013 at the Hilton New Orleans Riverside.

Registration on line at www.nctm.org/number/

Engaging Students in Learning: Mathematical Practices and Process Standards; an NCTM Interactive Institute for Grades 9-12; 1-3 August 2013, Renaissance Washington DC Downtown Hotel.

Registration on line at www.nctm.org/hsmath/

Pick-a-Path Update

Addicted to Pick-a-Path? Don't worry, you're not alone. The math strategy game with Okta the Octopus has been downloaded more than 50,000 times since it debuted last August. A new version has just been released which has two new features:

- A random puzzle generator for each level, which is unlocked when you complete the level
- Okta's Boutique, where you can buy bling for Okta with the stars you earn

Want to use Pick-a-Path in the classroom? At <http://illuminations.nctm.org/pickapath>, you can find an Instructional Guide that discusses the math in each level, gives suggestions for classroom use, and recommends related resources from Illuminations. Check it out!

Illuminations Success? Let NCTM know.

Have you had success with a specific Illuminations lesson plan, game, or app? Let us know, and we will work with you to create your success story and feature it on our website and a future newsletter. E-mail NCTM at <mailto:illuminations@nctm.org?subject=Success%20Story> with a sentence or two about what you've been doing

Continued at the bottom of page 12

Celebrating Mathematics Night at EdVenture

Marc Drews, Special Training Committee Chair

SCCTM helped promote EdVenture's Celebrating Mathematics Education Night on April 11, part of their STEM Conversations series.

Teachers had the chance to make balloon polyhedral



and various geometric figures.



The team from Balloonopolis demonstrated how to make fabulous mathematical balloon art with EDDIE as the backdrop.



Teachers also made giant soma cubes with large packing boxes.

...and ultimately assembled their large soma cube puzzle.



A great night for twisting, building, and making. ...Making mathematics fun - a goal for both SCCTM and EdVenture Children's Museum.

Join us for our next Edventure - (Media Arts and the iPad)

On July 11, 2013, we'll be making teachers more aware of how media arts is changing the way we teach and how we learn. We will examine the trans-disciplinary nature of media arts by sharing what teachers and children are expected to know and be able to do when it comes to technology integration. Team members from EdVenture will also be sharing ways to incorporate the use of iPads in their instruction, sharing some of the best apps that have been shared with them over the past few years.

SCCTM is helping to sponsor this event.

We would like to express our appreciation to Lane Peeler for agreeing to serve as Interim Treasurer to fill the vacancy created with the resignation of Bruce Gibson. A new Treasurer will be elected in October. Lane has served and continues to serve the SCCTM since its inception.

Thank you, Lane!

SC Dept. of Education Representative

Harriet Pritchard

The Office of Assessment is currently involved in scoring for the SBAC Pilot Test and item development for the Field Test.

South Carolina is a member of The National Center and State Collaborative (NCSC), a consortium of states working to develop alternate assessments aligned with CCSS for students with significant cognitive disabilities. The Office of Assessment and the Office of Exceptional Children are assisting in the development of this assessment which is planned to replace SC-Alt.

Mary Ruzga from Office of Instruction Practices and Evaluation is currently holding free regional professional development sessions designed to support implementation of the CCSSM. Sessions are being held in Pelzer and in Columbia. The sessions at the Columbia location are streamed live. No registration for participating in the live streaming is required. The PowerPoint and all accompanying handouts can be accessed the day of the session by clicking on "Streaming Live Events" at <http://ed.sc.gov/agency/se/Instructional-Practices-and-Evaluations/Mathematics.cfm>. To see the list of upcoming sessions and/or to register to attend a free session in person, access the SCDE Agency-Wide Calendar at <http://ed.sc.gov/agency/lpa/calendar.cfm>, click on the session
Continued bottom of Page 11

SC All-State Math Team

Patrick Rybarczyk, Head Coach

Two students on the SC All-State Math Team have distinguished themselves across not only our state, but our nation with their accomplishments.

Guanpeng (Andy) Xu

Andy attends Sterling School. He skipped fifth grade to compete in MathCounts this year. Andy won the state MathCounts competition, and was rewarded with a trip to compete in the national competition. At only 10 years old, he placed third on the written contest and third in the Countdown Round. This is by far the highest a South Carolinian has ever placed in MathCounts. Andy scored highest among students in grade 6 or 7 on the written part of the 2013 national competition. He will receive a \$4000 scholarship for college and a full scholarship of \$4500 to attend the 2013 Math-path summer camp. Here is a link to watch him compete:
http://espn.go.com/watchespn/index/_id/885957/mathcounts.

David Stoner

David attends South Aiken High School. David has achieved more in mathematics than any other South Carolina high school student, and he is only in tenth grade. Last year, David was the United States of America Junior Mathematical Olympiad winner. He was the second student in South Carolina to be invited to the US Mathematical Olympiad Summer Program. This year, he was invited to represent the United States in the Romanian Masters of Math Olympiad. The United States team took first, and David received a gold medal. David is a 2013 United States of America Mathematical Olympiad winner. As such, he will get to meet a representative of the President in Washington.

I want to extend my congratulations to these two exceptional students and applaud their accomplishments!

STEM News

CCSSM Workshop Series : Transitioning to the Future of Mathematics Education

S²TEM Centers SC is currently offering a four-day workshop series to support educators in learning more about the Common Core State Standards for Mathematics (CCSSM). Each six-hour interactive workshop includes grade-level specific content support and pedagogical practices. Each CCSSM Workshop is available for all three grade bands (K-5, 6-8, and 9-12).

Workshop 1: Understanding the CCSSM

Workshop 2: Digging Deeper into the CCSSM

Workshop 3: Formative Assessment for the CCSSM

Workshop 4: Designing Instruction for the CCSSM

More information may be found at <http://www.s2temsc.org/ccss>

Professional Development Opportunities

Edventure News:



2013 Hands-On, Minds-On! Monthly STEM Conversations

This year, EdVenture is hosting a series of monthly **STEM Conversations: Making Connections**, designed to engage participants in an exciting conversation regarding the direction of education in South Carolina. Participants will be able to choose from several opportunities to customize their professional growth.

Upcoming events include:

Media Arts and the iPad July 11, 2013

LEGO Night at the Museum August 8, 2013

20 Years of Reform September 12, 2013

For more information, visit <http://handsonmindson.org>.

SC Dept. of Education - continued from pg 10:

title, and then copy and paste the registration link in a browser. You must register to attend in person.

In addition to the sessions posted on the Agency-Wide Calendar, there are plans in place to conduct a session for district-level mathematics decision makers. The plans are to hold a session on July 29th in the Upstate with a repeat on July 30th in the Lowcountry, that will provide suggested ways that CCSSM may be grouped for a traditional or an integrated teaching approach while meeting the four-Carnegie Unit graduation requirement. This is a collaborative effort from the Office of Assessment and the Office of Instructional Practices and Evaluations. When details are available, the information will be included on the Agency-Wide Calendar at the link cited above.

Other Opportunities

Teachers College Columbia University, through a grant from the Peter G. Peterson Foundation, and led by Professor Anand Marri, a group of faculty members and graduate students have developed a curriculum about the federal budget, national debt and budget deficit called Understanding Fiscal Responsibility (<http://teachufr.org/request/>).

The 24 free lessons from the curriculum connect students to the current public policy dilemmas about the federal budget, national debt, and budget deficit that confront the United States and its citizens. These 1-2 day lessons are not interdependent and are appropriate for students ranging from grades 9–12 in Civics/Government, Economics, U.S. History/Geography, World History/Global Studies/Geography, and Mathematics.

The lessons engage students in these critical dilemmas and include the resources students will need to deepen their understanding of the complex issues the dilemmas raise. The curriculum is nonpartisan and invites participants from all points of view to ask:

- What do the decisions we make about the federal budget, national debt, and budget deficit say about who we are as a people?
- How should we address our nation's fiscal challenges now and in the future to assure that our decisions are consistent with our values and traditions?

As a nonpartisan and inquiry-based curriculum, the enclosed lessons do not steer students toward any one conclusion about the federal budget, national debt, or budget deficit. Our goal is to have students understand the issues in all their complexities, be able to clarify their own thinking about these issues, and, ultimately, care enough to become involved in debating these and other public policy questions as citizens.

On the curriculum's website, educators can create an account to download all the lessons, its respective resources and supporting documents. Additionally, with a UFR account, educators can create a site for their classroom in the UFR Network (teachufr.org/network). The website includes several resources to help educators use the curriculum such as professional development videos, glossary of common terms and links to interactive media and games dealing with the federal budget, national debt and budget deficit.

NCTM News continued from page 8

Bob Doucette has been selected NCTM executive director and will begin on August 15. Bob is currently deputy executive director of the Society for Neuroscience and he brings rich and diverse experience in leadership with mission-driven organizations. He has an impressive record of success in association management for another STEM organization, and he has a well-rounded perspective that should help NCTM leadership guide the Council's work. Read full News Release at:

http://www.nctm.org/uploadedFiles/Research_Issues_and_News/News_Releases/Doucette%20Named%20NCTM%20Executive%20Director%20FINAL.pdf

SCCTM Sponsors and Donors

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 complete the contact form at www.scctmprogram.org.

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 2012-2013 year.

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(click on each Platinum Sponsor to link to their website)

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SMART Technologies
Texas Instruments

Silver Sponsor

Kendall Hunt

Useful Weblinks

Federal Resources:

Free resources for all grade levels for Educational Excellence provided by federal agencies can be found at: <http://www.free.ed.gov/>

Math Playground:

This is a mathematics site for elementary and middle school children. It features math games, word problems, logic puzzles, and math videos
<http://www.mathplayground.com/>

AGrade Math:

This site contains online worksheets and lesson plans for mathematics teachers.
<http://lesson-plans.theteacherscorner.net/math/>

Mrs. Glosser's Math Goodies:

This site contains interactive lessons, printable worksheets, games, and crossword puzzles. Mrs. Glosser's Math Goodies also has a nice forum for math teachers.
<http://www.mathgoodies.com/teachers.html>

Common Core State Standards for Mathematics

The South Carolina State Department of Education CCSSM document.
http://www.ed.sc.gov/agency/programs-services/190/documents/CCSSI_MathStandards.pdf

Interesting Math Applications:

Solving Traffic Flow Problems

From an article by [Tim Garoni](#), Monash University

"Mathematics may not be the first thing your mind turns to when you are caught in a traffic jam. Yet mathematics holds the key to understanding how traffic congestion develops, and how to prevent it.

Perhaps one of the best known (and most surprising) mathematical results concerning how traffic flows around a network is [Braess's paradox](#). In the context of a road network, this is the seemingly counter-intuitive result that even without an increase in traffic, building a new road can actually make every single journey slower." To see the full article visit this [World News Australia article](#).

The Mathematics of Dieting

Meatballs are round — A June 15, 2013 article by [rjlipton](#) in *Gödel's Lost Letter* discusses the author's move to a low-calorie diet and the author's observation that "I just noticed the other day how they make it low-calorie. They use geometry." To read the article visit:
<http://rjlipton.wordpress.com/2013/06/15/the-mathematics-of-dieting/>

Time and Talents!



How can you help SCCTM?

We are looking for teachers who have time to contribute their talents to help our organization grow stronger and be better able to serve our membership. Please complete this questionnaire. At any time, you may send it via email to SCCTMProgram@aol.com; fax to the attention of Jennifer Wilson, SCCTM President-Elect -- Fax (888) 529-2517; or mail it to: Jennifer Wilson, 207 Canebrake Dr., Anderson, SC 29621. Thank you!

(Please print.)

Name _____ Current teaching level: _____

Mailing address: _____

City: _____ Zip code: _____

County: _____ Phone: _____

Email address: _____

I would be willing to help in the following ways during 2013:

_____ serve on conference committees:

_____ door prizes

_____ registration

_____ signs

_____ equipment

_____ NCTM and SCCTM booths

_____ student pages

_____ write an article for *The MathMate*

_____ speak at the 2013 conference (dates: October 24-25)

_____ be nominated for an open position on the SCCTM Executive Board

***Please note any additional suggestions you would like to make to the Executive Board about how SCCTM can better meet your needs, or activities and goals you would like us to pursue in 2013, or other ways you would like to be involved that are not listed above.

Membership Renewal & 2013 Conference Registration Instructions

Follow these easy steps to (a) renew your membership or join for the first time *and* (b) register for the **2013 Fall Conference** in Greenville, SC:

Membership

To renew your membership in SCCTM, rejoin or join SCCTM for the first time, follow steps **1 through 6**:

1. Complete the top part of the Membership-Conference Registration form. Your *membership number* is the **five-digit number** from SCCTM (not NCTM) above your name on your membership postcard or items mailed by SCCTM. Your expiration date appears there also. *This number is essential for membership and registration data entry, but especially for name and address changes, as it eliminates duplicate membership records.* If you can't find it, we'll research for you to see if you've ever been a member of our organization.
2. The phone number you give us is published in a limited distribution membership list. If you do not want your home number printed, then give us your school/work or cell number and check the appropriate box.
3. Give up to **two e-mail addresses** (school/home), the school or office where you work, and the county where you are employed. *Your e-mail address will not be sold or given for mass emailing purposes, but may be used by officers, committee chairmen, and Corporate Sponsors to contact you.* Your conference badge will list the school where you work or the district if you're not at a school.
4. Select the level(s) of interest that fit your job or professional development. These are used for special interest mailings, such as Institute announcements, etc.
5. Check whether you are joining SCCTM for the first time, rejoining after an absence of a period of time, or renewing your membership from last year.
6. Check the membership amount you are paying; **\$15 for one year, \$40 for three years (saving \$5), or \$60.00 for five years (saving \$15).** Full-time students and retired educators can join for **\$10.00 for one year or \$25.00 for three years (saving \$5.00).** You can purchase a Life Membership for **\$315.00.**

For a small fee, credit cards can be processed on-line via a PayPal® link @ www.sctmprogram.org!

SPECIAL NOTICE: Only the new 2013 Registration Form can be honored. If you use a form from a prior conference, it will be returned to you. The five-year membership is in place again.

Conference Registration

Registering for the Fall Conference couldn't be simpler. One registration fee covers everything except the special luncheon! Just follow step 7:

7. Check the registration amount you are including. *Note the September 30, 2013, deadline to take advantage of the lower Registration fees!*
8. Indicate if you would like to attend the Authors Luncheon on Friday by including payment for it. Tickets may be limited, so don't delay!
9. Transfer the amount(s) you are paying to the *Payment Summary* section of the form

Completing the Form

Follow step **10** for all uses of the form:

10. You can include a donation to the SCCTM Scholarships or All State Math Team, if you wish. Identify which fund you are contributing to, enter the amount you are contributing, and fill in the total.

Complete your check for the amount due. Mail the completed form and payment to the address on the form. You can again register on-line with a credit card using the secure PayPal® link. A small fee is necessary for us to offer this service. Follow the links on www.sctmprogram.org and follow the instructions.

Your canceled check or PayPal acknowledgment will be your receipt for membership dues and conference registration. All conference materials will be available for pick up at the Conference beginning on Wednesday afternoon, October 23, 2013. *Periodic emails will be sent to notify you that your registration form has been received and processed.* Membership cards will be mailed after the conference to include any on-site membership payments, etc.

Please check your form *carefully*. *Incorrect or incomplete forms will slow the registration process, while incomplete or incorrect addresses make accurate mailings impossible.* Forms **without** complete payment **or** an official purchase order will **not** be processed! PayPal notifications will be processed as received. **Do Not Mail Hotel Registrations to SCCTM!**

MEMBERSHIP & FALL CONFERENCE 2013 REGISTRATION FORM

Mountains of Mathematics • Greenville, SC • October 24 & 25, 2013

* * Complete one form per membership renewal or conference attendee! * *

MEMBERSHIP INFORMATION: (Please type or print legibly)

NAME: _____ POSITION: _____ MEMBER# _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP+4: _____

PHONE: (____) _____ [] HOME, [] CELL, [] SCHOOL, or [] WORK

Primary E-MAIL: _____

Alternate E-MAIL: _____

SCHOOL: _____

COUNTY OF EMPLOYMENT: _____ Math/Science CENTER: _____

LEVEL(S) OF INTEREST: [] Primary (K - 2) [] Elementary (3 - 5) [] Middle/Jr. High (6 - 9)
[] Secondary (9 - 12) [] College

CHECK MEMBERSHIP TYPE: [] RENEWAL or [] REJOIN or [] NEW

& MEMBERSHIP \$\$: [] Regular: \$15.00 (1 year)
 [] Regular: \$40.00 (3 years)
 [] Regular: \$60.00 (5 years)
 [] Life: \$315.00 (one time payment)
 [] Student or Retired: \$10.00 (1 year)
 [] Student or Retired: \$25.00 (3 years)

If paying membership only, transfer the amount to the MEMBERSHIP section below. If Life or paid beyond 2013, mark Life or NA there. Fill in the appropriate portion of the registration section of the Payment Schedule below to complete your conference registration.

PAYMENT SCHEDULE					AMOUNT INCLUDED
MEMBERSHIP:	1-Year	3-Years	5-Years	LIFE	
[] Regular	\$15.00	\$40.00	\$60.00	\$315.00	\$
[] Student/Retiree	\$10.00	\$25.00	\$
REGISTRATION:	REGULAR by 9/30/13	LATE/On Site after 9/30/13	ONE DAY ONLY [] THR or [] FRI		
[] Nonmember	\$100.00	\$110.00	\$60.00		\$
[] Active Member (Reg/Ret/Life)	\$75.00	\$85.00	\$45.00		\$
[] Student	\$25.00	\$30.00	\$15.00		\$
[] Authors Lunch (Memb)*	\$19.50	\$24.50		\$
[] Authors Lunch (Non-memb)*	\$34.50	\$34.50		\$
DONATIONS:					
[] SCCTM Scholarship Fund					\$
TOTAL PD:					\$

* The Authors Luncheon has a limited number of tickets, determined by the initial response. On-Site tickets may not be available!

Mail completed form to:

SCCTM • PO Box 31911 • Charleston, SC 29417-1911

Registrants will be notified by email when their form has been processed. Receipts and name badges will be available for on-site pickup only. **NO FORMS WILL BE PROCESSED UNLESS CORRECT PAYMENT, OFFICIAL Purchase Order, or CREDIT CARD NOTIFICATION IS RECEIVED!**

You may register by Credit Card at www.scctmprogram.org for a small additional fee!

SCCTM 2012-2013 Officers



President
Karen Threlkeld
 T.L. Hanna High School
 Anderson, SC
 Anderson County



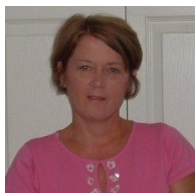
Vice President for Elementary
Joyce Moon
 Cane Bay Elementary School
 Summerville, SC
 Dorchester County



President-Elect
Jennifer Wilson
 Anderson District 5
 Anderson, SC
 Anderson County



Vice President for Middle
Christi Fricks
 Lakeside Middle School
 Anderson, SC
 Anderson County



Past President
Cynthia (Cindy) Parker
 Alice Drive Middle School
 Sumter, SC
 Sumter County



Vice President for Secondary
Amanda McKee
 Johnsonville High School
 Johnsonville, SC
 Florence County



Secretary
Suzanne Peterson
 Pelion Middle School
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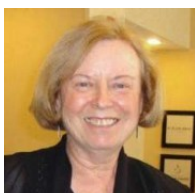
Vice President for Post Secondary
Bill Whitmire
 Francis Marion University
 Florence, SC
 Dorchester County



Interim Treasurer
Lane Peeler
 State Dept. of Ed.—Retired
 Columbia, SC



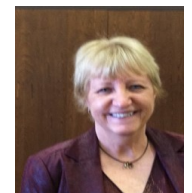
Vice President at Large
Morondo Lewis
 C. A. Johnson High School
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NCTM Representative
Sandy Powers
 College of Charleston-Retired
 Mt. Pleasant, SC
 Charleston County



Government Relations
S. Megan Che, Ph.D.
 Clemson University
 Clemson, SC
 Pickens County



SC Department of Education
 Representative
Harriet Pritchard
 State Department of Education
 Columbia, SC

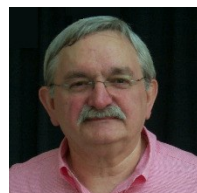
SCCTM Managers



Commercial Exhibit
Manager
Lane Peeler
State Dept. of Ed.—Retired
Columbia, SC



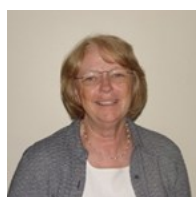
AV Manager
Bill Gillam
Blythewood High School—Retired
Blythewood, SC
Richland County



Database/Membership
Manager
William (Bill) Stevens
Charleston, SC



Program Manager/
Executive Director
Ann Senn
J F Bailey & Associates, Inc.
Columbia, SC



MathMate Editor
Elaine Wiegert
USC Upstate—Retired
Spartanburg, SC
Spartanburg County

SCCTM Committee Chairs

Awards Committee Chair—Dot Hardin
Door Prizes Committee Chair—Wilma Shealy
Educators' Scholarship Committee Chair—Bill Whitmire
Grant Awards Committee Chair—Jennifer Wilson
Nominating Committee Chair—Donna Foster
Pre-Service Scholarship Committee Chair—Gina Dunn
Program Chair—Cindy Parker
Publications Chair—Morondo Lewis
SCCTM Grant Initiative Committee Chair—Bill Whitmire
Site Committee Chair—Karen Threlkeld
Special Training Committee Chair—Marc Drews
Student Pages Committee Chair—Bob Horton

SCCTM Important Dates to Remember

July 15, 2013.....Award Nominations Due
July 31, 2013 (extended) Speaker Proposals Due
September 15, 2013.....Educators' Scholarship Application Due
September 15, 2013.....Preservice Scholarship Application Due
October 24-25, 2013.....SCCTM Fall Conference in Greenville
April 1, 2014.....Grant Proposals Due
April 2014 (TBD)Poster Contest Submissions

