



South Carolina Council of Teachers of Mathematics

January 2013

Volume IX, Issue 1

In This Issue

- President's Greetings
- MathMate
- SCCTM Scholarships & Grants
- Award Nominations
- Membership Card Corrections
- Volunteer Opportunities
- 2012 Conference in Review
- 2013 Conference Preview
- Common Core Center
- CCSS: Smarter Balance Testing
- STEM News
- Professional Development Opportunities
- Other Opportunities
- Useful Weblinks
- NCTM News
- Sponsors
- 2012-2013 Officers
- SCCTM Managers & Committee Chairs
- Calendar


President's Greeting

Hello Mathematics Educators,

I hope that your school year is going as well as mine! In this issue, you will be introduced to the new Executive Board members that you voted into office this past October. You will also receive information on the many 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. In the meantime, please feel free to share your ideas and questions with the organization via our web site at <http://www.scctm.org/executive/contact> or email me directly.



We also encourage you to follow us on  Facebook

Karen Threlkeld
scctmpresident@gmail.com



CASIO


See math
IN A NEW LIGHT

Discover how Casio's easy-to-use technology fosters student success.

Contact your Casio representative today!

Marty Frank
Phone: 972-395-7061 | Fax: 314-308-3663

2012 SCCTM Platinum Sponsors



SCHOLASTIC

**FINALLY.
MATH DONE RIGHT!**

- ✓ **PUZZLES** that teach problem solving.
- ✓ **DOWNLOADABLE** worksheets and laminates.
- ✓ **INTERACTIVE**, animated books, and more!

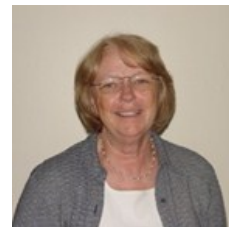
**VISIT
GREGTANGMATH.COM**

Scholastic Book Clubs

Mathematics is as much an aspect of culture as it is a collection of algorithms.
Carl Boyer, 1949,
calculus textbook

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. 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

SCCTM Scholarships

SCCTM sponsors two different scholarship opportunities: the Pre-Service Scholarship and the Educator's Scholarship.

SCCTM Pre-Service Scholarship:

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.

SCCTM Educator's Scholarship:

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.

The eligibility requirements and applications for these scholarships can be found on the SCCTM website at www.scctm.org.

SCCTM Grants

The SCCTM Executive Board awards up to five grants each year. Each grant award is funded at the level requested by the writer up to a maximum of \$1500. The application for grants can be found on the SCCTM website: www.scctm.org.

Award Nominations

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 <http://www.scctm.org/awards-grants-scholarships> to find specific information about award requirements, the nomination form, and a list of past recipients.

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

Transform
Math Instruction in
Your Classroom, School,
& District with



The Tabor Rotation Framework:

- Dramatically Improves Math Scores
- Deepens Student Engagement
- Builds Teacher Capacity

Tabor Rotation Institutes,
Training Packages, and On-Site
Consultations get RESULTS!

TaborRotation.com

Membership Card Corrections

Some membership cards have the wrong expiration date on them. The expiration date can be found just over your name on your membership card. The month for the expiration should be September and not June. Please adjust this for your own records. While you are looking at the expiration date, make sure to look at the year, especially if you purchase a five year membership. The five years can go by faster than you realize! In addition to checking the date, make sure that your email address is correct. We send many things out to our members only by use of the email address so it is extremely important that your address be correct.

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 found at:
<http://www.scctm.org/members/time-talent>

SCCTM 2012 Platinum Sponsors

**EVERY DAY
COUNTS®**
Calendar Math



**A Lot of Math
in a Little Time**
hmeducation.com/everydaycounts

HOUGHTON MIFFLIN HARCOURT

*Pure mathematics is, in its way, the
poetry of logical ideas.*
Albert Einstein

*The highest form of pure thought is
in mathematics.*
Plato

*Go down deep enough into
anything and you will find
mathematics.*

Dean Schlicter

*Trigonometry is a sine of the
times.*

Author Unknown



Representing



Video Screens
www.vutec.com



CASIO
Timothy Hunnicutt
Territorial Manager
5306 Adrian Road
Jamestown, NC 27282
336-362-8612
Fax 815-642-0709

**2012 SCCTM
Gold Sponsors**

**CSI
Technology
Outfitters**

**SMART
Technologies**

**Texas
Instruments**

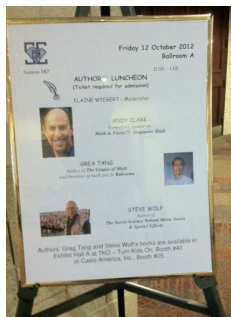
2012 Conference in Review

The 2012 SCCTM Fall Conference, *Charting a Course for the Future*, was held this past October in Myrtle Beach. It was a huge success!

The venue was wonderful. There were many amazing presentations to attend at every grade level. We had an entire hall-way dedicated to technology called Tech Alley. There were many positive comments from attendees about this new feature. Many people enjoyed seeing the vendors in the exhibit hall and purchasing new materials



We had great keynote speakers: Glenna Tabor, creator of Tabor Rotation, a highly successful framework for differentiating instruction, and Greg Tang, a famous author of math related children's literature. The Author's Luncheon was a delight and it showcased three authors: Andy Clark (consulting author on *Math in Focus™: Singapore Math*), Greg Tang (author of a series of picture books from Scholastic including NY Times best seller *The Grapes of Math*), and Steve Wolf (author of *The Secret Science Behind Movie Stunts and Special Effects*).



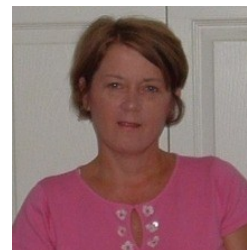
Many also enjoyed the SkyWheel Math Trail.

2013 Conference Preview

Work has begun on plans for the 2013 Conference. It will be held October 24-25, 2013 at the Carolina First Center in Greenville, South Carolina. We look forward to another rewarding Authors' Luncheon as well as great presentations and exhibits.

We will begin reviewing applications for speakers in the spring! Watch the website for the 2013 Speaker Application Form—coming soon.

Cindy Parker is our 2013 Program Chair.



Common Core Center

The common core standards (CCSS) were adopted by South Carolina in July 2010. Full implementation will be during the 2014-15 school year. We are currently in a transition year. Next school year, 2013-14, will be a bridge year in which the CCSS will be used for instructional purposes. You can access the mathematical CCSS at http://www.ed.sc.gov/agency/programs-services/190/documents/CCSSI_MathStandards.pdf

CCSS: Smarter Balance Testing

South Carolina is a part of the Smarter Balance Assessment Consortium. The COO of Smarter Balance, Tony Alpert, calls their test the "next generation assessments." The Smarter Balance Consortium have worked with 26 states and over 80 people to write question items, draft achievement level descriptions as well as scoring methods and pass rates.

The tests will be used as a summative assessment at the end of the year to measure college and career readiness. Teachers will also have access to non secure items to use as interim feedback. The tests will also serve a formative assessment to improve the quality of instruction.

The students will apply their knowledge using constructed responses. They will interact with the screen using technology-enhanced features such as drag and drop to demonstrate their ability to analyze and organize. Smarter Balance will incorporate artificial intelligence (AI) as well as educators to score the tests. They are committed to incorporating the use of tablets including iPads and those that run off Windows and Android with 10 inch screens for the testing. They are aware of band-width issues and are working on this problem. The tests will be piloted in February 2013 in 11% of the schools in the Smarter Balance Consortium.

For more information, go to <http://www.smarterbalanced.org/smarter-balanced-assessments/>

Sample items and performance tasks are available at: <http://www.smarterbalanced.org/sample-items-and-performance-tasks/>

2012 SCCTM Silver Sponsor

Your Single Source for PreK-12 Math Solutions

- We Discover Math
- Math Trailblazers
- Project M² and Project M³
- Math Innovations
- Discovering Algebra
- Discovering Geometry
- Discovering Advanced Algebra
- Precalculus with Trigonometry
- Calculus
- Statistics in Action

Kendall Hunt

kendallhunt.com/prek12

1-800-542-6657

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

The mathematical sciences particularly exhibit order, symmetry, and limitation; and these are the greatest forms of the beautiful.
Aristotle

For the things of this world cannot be made known without a knowledge of mathematics.
Roger Bacon

Mathematics possesses not only truth, but also supreme beauty.
Bertrand Russell

Moving from Standards to Practice: Leading Tomorrow's Mathematics and Science Education in South Carolina

Theme: Sharing strategies and seeking solutions to the challenges created by the increased expectations placed on our students.



**Sunday evening, February 24 –
Monday afternoon, February 25, 2013**

Who: SC mathematics and science education leaders: college and university mathematics and science education faculty; state, regional, and school district curriculum leaders, school department chairs, and building leaders; and State Department of Education leaders.

Where: Clemson University's Madren Center. (Lodging info to follow.)

Focus: As the state begins to implement the next iteration of math and science standards, our teachers and educational leaders need to plan for success. The goal of the conference is to facilitate a more seamless integration of the Common Core State Standards for Mathematics and the Next Generation Science Standards or SC Academic Standards for Science and Engineering 2013. Basic proficiency now requires that students demonstrate deep understanding of the material that goes beyond rote knowledge. Nationally acclaimed speakers Denise Spangler and Mark Windschitl will assist in facilitating the conversations and interactions of participants.

Format: the conference will include keynote presentations, panel discussions, breakout sessions, collaborative work groups, and opportunities for networking.

Cost: \$60 per person or \$125 per organization (limit 4 per organization unless additional space allows). Conference will be limited to 250 participants.

Next Steps

To register, please go to:
<http://movingfromstandstandstopractice.eventbrite.com/>

Mark your calendars to save the date.

Please contact Jeff Marshall (marsha9@clemson.edu) if you have further questions.

Watch Inquiry in Motion website (www.clemson.edu/iim) for updates.



Funding Sponsors

Center of Excellence for Inquiry in Mathematics and Science
National Science Foundation
Clemson University

STEM News

Engineering Challenge for the 21st Century Program 2013 Teachers' Summer Dissemination Workshop

(Sunday, July 14, 2013 through Saturday, July 20, 2013)

The Connecticut College of Technology's Regional Center for Next Generation Manufacturing (RCNGM) in collaboration with the United States Coast Guard Academy, would like to offer you the opportunity to attend the **Engineering Challenge for the 21st Century Program's – 2013 Teachers' Summer Dissemination Workshop** being held at the United States Coast Guard Academy in New London, Connecticut. The Program begins with a welcome dinner Sunday evening, July 14, 2013.

The Program

This exciting week long program provides the opportunity to work with your peers from around the United States while being immersed in a technology rich environment. At the Coast Guard Academy you will learn how to hone your team-building skills while using robotics to help save lives. The team-building skills learned here are designed to be directly applicable to your classroom.

The Engineering Challenge for the 21st Century Program involves:

There will be problem based learning robotic projects centered around United States Coast Guard Life Saving Missions. Effective teams will be developed and preserved. There will also be professional and interpersonal skills training using DISC Behavioral Profiles. In addition to a traditional classroom setting, participants will work in teams led by United States Coast Guard Faculty and Cadets, RCNGM college faculty and Project Management and Behavioral Diversity Consultants.

Team Based Immersion Learning Experiences Include:

Coast Guard Robotics, State-of-the-art Simulator, Hydrogen Fuel Cell Vehicle

Registration and General Information

Program Participants will receive the following:

Reimbursement of train/airfare (maximum of \$600.00) or mileage

(\$.55/mile @ maximum of \$220.00).

Expenses for rental cars will not be reimbursed. **NO EXCEPTIONS.**

Lodging accommodations near the United States Coast Guard Academy in historic New London, Connecticut.

Reception with the Admiral of the US Coast Guard Academy

Breakfast, lunch and dinner

Program stipend of \$250.00

Manuals and related technical materials

4.0 CEu Credits

Stipend of \$500.00 for the implementation of program materials at your institution in the Fall of 2013.

For additional information, please send e-mail to: tech.even21@gmail.com or call (860) 677-0020.

Professional Development Opportunities

Support Videos for the Common Core State Standards in Mathematics

The Common Core State Standards (CCSS) videos are designed to support states, schools, and teachers in the implementation of the CCSS. The videos were created in collaboration with the states in the Southeast Comprehensive Center region based on their needs for professional development support for the implementation of the Common Core State Standards. Each video is an audiovisual resource that focuses on one or more specific standards and usually includes examples/illustrations geared to enhancing understanding. The intent of each content-focused video is to clarify the meaning of the individual standard rather than to be a guide on how to teach each standard, although the examples can be adapted for instructional use.

See them at: http://secc.sedl.org/common_core_videos/

2013 Hands-On, Minds-On! Summer Institute for Teachers!

EdVenture Children's Museum, with support from the South Carolina Department of Education, is proud to announce the eighth year of Hands-On, Minds-On! (HMO) Summer Institute for Teachers. The Institute is for public and private elementary teachers dedicated to sharing



EdVenture's expertise in making science and mathematics fun and accessible in the classroom. This year, we plan to focus the institute's curriculum on 4K through 3rd grade teachers. HMO is a week-long experience that provides tools for understanding the concepts of curriculum integration with an emphasis on math and science. At the end of the Institute, participants will have a solid knowledge of the areas found in the South Carolina Curriculum Standards while learning how to develop inquiry-based curriculum units and effectively implementing hands-on activities with students.

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

Other Opportunities

LearnZillion is an online, collaborative, Common Core curriculum and professional development platform that includes lessons, resources, assessments, and activities created by some of the country's best teachers. Currently, we have 2,000 free lessons in both math and English Language Arts for grades 3-8 but this summer we'll be creating 3,000 new lessons to cover grades 2-12.

Scale your impact! LearnZillion is recruiting its next "Dream Team" of talented teachers from across the country. Dream Team teachers will work with coaches this summer to create lessons and materials built from the Common Core State Standards. All lessons created will be freely available to teachers and parents globally on LearnZillion.com. We're looking for teachers who want to broaden their impact beyond the classroom, learn from content experts, and challenge themselves in new and exciting ways. We are recruiting math and literacy teachers in grades 2 through 12. Each Dream Team teacher gets paid \$2,000.

Part 1 of application due January 27

Get more info or apply at LearnZillion.myreviewroom.com

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>

Pi Day Activities (Pi Day is on March 14)

This site contains many ideas for ways that you can celebrate pi day in your classroom!
<http://www.piday.org/2010/discussions/2008-pi-day-activities-for-teachers/>

NCTM News

(<http://www.nctm.org/>)



Join us in Denver, April 17-20, for the nation's largest math education event. Take advantage of this professional development opportunity to sharpen your skills, gain new techniques, and learn from innovative practitioners and experts in the field. Choose from more than 700 sessions, workshops, and bursts. Register early and save up to \$80.



Online registration is now open for "Cutting to the 'Common Core' in Mathematics"—a new Interactive Institute for grades 6–8 educators. Join us in Orlando, February 27–28, to discover strategies to align your instruction with the Common Core State Standards for Mathematics and learn more about the mathematics content of the middle grades Common Core domains.

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 <http://www.scctm.org/exhibits-and-advertising>.

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.

Platinum Sponsors

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

CASIO

Glenna Tabor Resources, LLC

Houghton Mifflin Harcourt Specialized Curriculum
Scholastic Book Clubs

Gold Sponsors

CSI Technology Outfitters

HWPco.

SMART Technologies

Texas Instruments

Silver Sponsor

Kendall Hunt

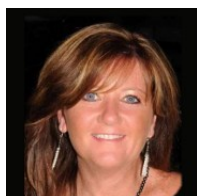
SCCTM 2012-2013 Officers



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



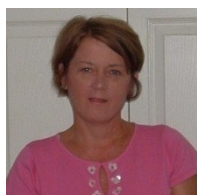
Vice President for Elementary
Joyce Moon
Cane Bay Elementary School
Summerville, SC
Dorchester County



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



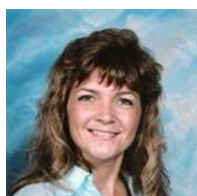
Vice President for Middle
Christi Fricks
Lakeside Middle School
Anderson, SC
Anderson County



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



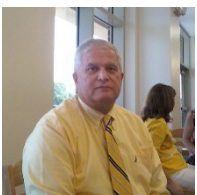
Vice President for Secondary
Amanda McKee
Johnsonville High School
Johnsonville, SC
Florence County



Secretary
Suzanne Peterson
Pelion Middle School
Pelion, SC
Lexington County



Vice President for Post Secondary
Bill Whitmire
Francis Marion University
Florence, SC
Dorchester County



Treasurer
Bruce Gibson
Charleston County School District
Charleston, SC
Charleston County



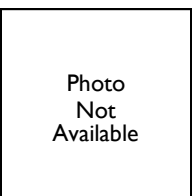
Vice President at Large
Morondo Lewis
C. A. Johnson High School
Columbia, SC
Richland County



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

Photo
Not
Available

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



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

Photo
Not
Available

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

SCCTM Committee Chairs

Awards Committee Chair—Dot Hardin
Door Prizes Committee Chair—Wilma Shealy
Educators' Scholarship Committee Chair—Bill Whitmire
Grant Awards Committee Chair—TBA
Nominating Committee Chair—TBA
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

SCCTM Important Dates to Remember

April 1, 2013.....Grant Proposals Due
May 1, 2013Speaker Proposals Due
July 15, 2013.....Award Nominations Due
September 15, 2013.....Educators' Scholarship Application Due
September 15, 2013.....Preservice Scholarship Application Due
October 24-25, 2013.....SCCTM Fall Conference in Greenville