



South Carolina Council of Teachers of Mathematics

Spring 2013-14

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President's Greeting

Hello Mathematics Educators,
SCCTM? What is that?



As I continue on in my role as president of SCCTM, I am absolutely amazed at the teachers in my own district that are unaware of what the SCCTM is. Once I tell them, they are all very eager and interested in knowing more about our organization. I tell them about our fall conference and the opportunities available to them such as grants, scholarships, and professional development events. As president and a true believer in our organization, I am more than happy to toot our own horn. I want more educators to be aware of SCCTM and all that it is.

However, being a member is more than listing it on a professional resume or a National Board application. We want you to be involved and invested. Your time and talents can be used in so many ways. We always need articles for our newsletter or online journal, The Mathmate. We need volunteers for our annual fall conference. We need participants for SCCTM-sponsored events. We need people to run for our positions on our executive board. There is always something to do in order to promote our mission: (1) encouraging and stimulating greater interest in mathematics and its applications; (2) encouraging and providing opportunities for the exchange of ideas and materials related to the instruction of mathematics; (3) furthering the cooperative study of problems related to the teaching of mathematics at all levels; and (4) working for the improvement and advancement of mathematics instruction at all levels of education.

At our last board meeting, we set a goal for each member to recruit two new members into the SCCTM. If you are a member, please encourage your fellow educators to join us at SCCTM. There is strength in numbers, and we can do so much more as a larger, stronger organization. Thanks for your membership and your efforts to promote our organization. Hopefully, we will see you at the conference in Myrtle Beach in November.

Enjoy the rest of your summer!

Jennifer Wilson
scctmpresident@gmail.com

We encourage you to follow us on



Facebook

Team Up with CASIO and Ten80 Education

Don't miss the Ten80 Student Racing Challenge and CASIO Workshops... where mathematics meets NASCAR!



www.casioeducation.com

www.studentracingchallenge.com



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



SCCTM 2014 Grant Awards

Christi Fricks, President-Elect & Committee Chair

SCCTM awarded three grants of up to \$1,500 each. We would like to announce and congratulate the 2014 Grant Winners.



Elicia Dowdell of Dubose Middle School for *IPads, Apps, and Special Needs Math Center*

Kristina Kyle of Rainbow Lake Middle School for *Increasing Student –Centered Instruction in the Math Classroom*

Emily Styer of Fort Dorchester High School for *Math Tablets*

SCCTM is proud to offer this benefit to our members and encourages you to start now to think about applying for a 2015 Grant. Applications are usually due in April. Watch for 2015 forms on the website.

SCCTM Educator's Scholarship

Leigh Haltiwanger, 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.

Award Nominations

Sandy Avinger, 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 Sandy Avinger (sandyavinger@gmail.com) no later than July 15, 2014. The award will be presented at the SCCTM 2014 Fall Conference in Greenville on November 6, 2014.

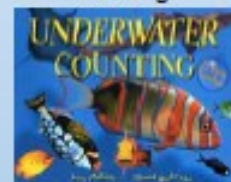
2014 Fall Conference November 6-7 in Myrtle Beach, South Carolina

We are working diligently on planning for our Annual Fall Conference which will be on November 6 and 7 in Myrtle Beach at the Myrtle Beach Convention Center. I'm still finalizing some plans but here is a preview of events that have been confirmed. Stuart J. Murphy, author of the award winning MathStart series, will be our keynote speaker on Thursday and will be a featured author at the author's luncheon on Friday. Casio will be sponsoring a room dedicated to the Ten80 NASCAR program which will have some great hands-on demonstrations. Ed-Venture will also be sponsoring a room to present some exciting activities for teaching mathematics. In addition, we have received many proposals from teachers and educators across the state that sound awesome. We are still accepting proposals if you would like to submit one. The form can be found on page 17. Make plans to attend the conference now. You can find a conference registration form on page 15 and at www.scctmprogram.org. We hope to see you there!

Jerry Pallotta

Children's book Author.

Jerry's beautifully illustrated series of elementary math books include titles on adding, subtracting, multiplying, and dividing.



More information is available on

www.jerrypallotta.com

**2013-14 SCCTM
Platinum Sponsor**

Meet the Authors!

Stuart J. Murphy

Stuart J. Murphy is the author of the award winning MathStart series. He began writing and drawing stories in elementary school, but refined his skills at the Rhode Island School of Design. Mr. Murphy became interested in educational publishing and worked on over a dozen major textbook programs using visual learning strategies from Pre-K through high school. He uses those same ideas in his MathStart series. There are 63 books in the series, including *The Best Bug Parade*, which is Mr. Murphy's personal favorite as well as *Less than Zero*, which was named a "Best Book of the Year" by Science Books & Films magazine. Over 10 million books have been sold and MathStart has been named one of the Top Ten Nonfiction Series for Young Children by *Booklist* magazine, a publication of the American Library Association. This series is designed for Pre-K through grade 4 and uses simple stories to teach mathematical concepts. Mr. Murphy also writes the I See I Learn series which is designed for Preschool and kindergarten levels and focuses on teaching social, emotional, health & safety, and cognitive skills using real life stories.

Lisa Ray

Lisa Ray is a nationally certified retired social studies teacher with 26 years experience teaching in the South Carolina Public Schools. She is a new author and currently has two books published. *Once Upon a Time Ya'll* contains southern origin stories and is written in a Southern dialect. *The Joshua Tree* is a story about change.

We will continue to accept speaker proposals through the summer for any open time slots.



The South Carolina Course Alignment Project A Personal Perspective

by Dr. Gerald L. Marshall
SCCTM Vice President-At-Large & Publications Chair

The South Carolina Course Alignment Project (SC CAP) is a statewide collaborative effort to bring together high school and college faculty from two- and four-year institutions to create greater continuity between high school exit courses in English, mathematics, and science and the corresponding entry-level college courses in the same disciplines. This project involves a partnership among the South Carolina Commission on Higher education (CHE), the SC Department of Education, the SC Technical College System, and the Educational Policy Improvement Center (EPIC). This center hosts an interactive website (https://www.epiconline.org/south_carolina/), which actively manages project information and materials. EPIC defines college readiness as “the level of preparation a student needs in order to enroll and succeed – without remediation–in credit-bearing general education courses that meet requirements for a baccalaureate degree.”

One of the goals of SC CAP is to increase college readiness by improving alignment between secondary and post-secondary education in South Carolina. In terms of high school graduation rates, South Carolina ranks among the lowest in the nation. Approximately 1/3 of South Carolina college students reported taking at least one remedial course during college. During academic year 2008-2009, Design Teams were formed consisting of two (2) content experts from secondary education in SC, two (2) content experts from post-secondary education in SC, one (1) content expert with experience designing paired courses from secondary education outside SC, and one (1) content expert with experience designing paired courses from post-secondary education outside SC. These teams developed a collection of paired courses. These pairings included English 3 – American Literature, English 4 – British Literature, English 4 – English Composition I, Tech Math 4 – College Algebra, Tech Math 4 – Probability and Statistics, Pre-Calculus – Elementary Calculus, Biology – Biological Sciences I, Chemistry – College Chemistry I, Physics – University Physics (Algebra – based), and Physics – University Physics (Calculus-based).

During academic year 2009-2010, these paired courses were piloted among thirty-three (33) faculty at various high schools and institutions of higher education across South Carolina. For example, I taught two (2) College Algebra classes at Tri-County Technical College that had been paired with a Tech Math 4 class that was taught by Tim Sheppard at Pickens High School. On October 22nd we made a joint presentation on our SC CAP experiences at the fall meeting of SCCTM in Greenville.

During the next three (3) academic years I taught Probability and Statistics as a paired course and developed relationships with other SC CAP participants. During academic year 2010-2011, I visited in the classrooms of Woody Nivens at Greenwood High School and Denise Chavis at Ware Shoals High School. Later they both virtually visited in my class by using Skype technology. On November 12, 2010, Dr. Sherri Holland of Piedmont Technical College and I made a poster presentation on SC CAP at the American Mathematical Association of Two-Year Colleges (AMATYC) in Boston, MA. During academic year 2011-2012, I Skyped into Woody Nivens class and physically visited the classrooms of Jane Reed and Cathy Plowden at Walhalla High School. Woody Nivens and I made joint presentations on the SC CAP project at the South Carolina Mathematical Association of Two-Year Colleges (SOCAMATYC) at Midlands Technical College in Columbia on April 4th and at the SCCTM meeting at Myrtle Beach on October 11th. During academic year 2012-2013, I interacted again with Cathy Plowden to further the SC CAP project.

During academic year 2013-2014, I am teaching two (2) Elementary Calculus classes and one (1) section of Analytic Geometry and Calculus I and plan to match up with someone who is teaching Pre-calculus at a local high school. Our hope is that by extending the SC Course Alignment Project statewide we can help substantially improve the successful transition of all public high school students from high school to college and the workplace.

Math Counts

by Bernard Frost
SCCTM Vice President - Middle School



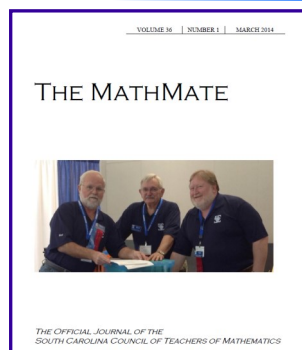
Are you interested in getting your 6th - 8th grade students excited about Mathematics? If so, then Math Counts is the program for you and your students. Math Counts is a national Middle School program that encourages students to increase their math skills through learning and competition. Students in MATHCOUNTS can expect to do challenging problem solving involving math and logic, some of the topics not covered in the regular mathematics curriculum, in a competitive setting. They will also be given instruction on how to solve these types of problems. More importantly, Math Counts is not about grades, it's about getting better at Math.

Math Counts competition consists of 4 rounds: Sprint, Target, Team, and Countdown. Sprint Rounds are 30 problems in 40 minutes, calculator NOT permitted, and Target Rounds consist of 8 problems with four sets of two problems, six minutes each where calculators are used. In the Team Round, teams work together to solve 10 problems in 10 minutes. The final round is the Countdown Round, which is a fast paced oral competition for the top scoring individuals, and students answer questions quickly without the use of a calculator.

The top students advance from school competition to regional, state, and national competitions. This year's National Competition was held May 8-11th at the Walt Disney World Swan and Dolphin Resort in Orlando, Florida. South Carolina is proud to announce that we have some extraordinary students who represented the state well at the National Competition. Andy Guanpeng Xu of Sterling Middle School was ranked 14th in the national competition. Congratulations Andy! South Carolina overall's ranking was 18th in the nation.

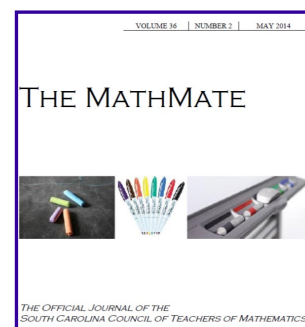
To view the competition first hand, the archived webcast of the competition is <http://espn.go.com/watchESPN/index/?id/1800897/raytheon-mathcounts-national-competition>

It is great to see students excited about mathematics and you can get your students involved as well. To be a part of Math Counts, visit <http://MATHCOUNTS.org> for more information. Registration for the 2014-2015 Math Counts Competition Series opens in September.



The MathMate
is Back!!
Gina Dunn, Editor

We're Excited!



And hope you will find the new format and articles beneficial to you and your classroom instruction.

Just follow the link for **News, Reviews & Links** at
<http://www.scctmprogram.org/> to see the two latest issues
in 2014, March and May.

SC All-State Math Team

Patrick Rybarczyk, Head Coach

Other Great News featuring South Carolina's Future Mathematicians—Duke Math Meet.

The Columbia Math Circle Team of David Stoner (South Aiken), Esme Bajo (A.C. Flora), Kevin Zhao (Lexington), John Zhao (Christ Church), Amil Merchant (Southside), and Richard Chen (Spring Valley) took second place at the Duke Math Meet. The team of Millie Chen (Hammond), Chelsea Chen (Hammond), Jennings Chen (Spring Valley), Max Land (Dutch Fork), Albert Wang (Dutch Fork), and Simran Mathews (A.C. Flora) took tenth place at the Duke Math Meet. In addition to the team Awards,

David Stoner had a perfect score on the individual contest.



Duke Math Meet 2014

Patrick with Columbia Math Circle Team at Duke Math Meet

Second Place Team at Duke Math Meet:
Esme Bajo (A.C. Flora), Kevin Zhao (Lexington), David Stoner (South Aiken), Richard Chen (Spring Valley), John Zhao (Christ Church), Amil Merchant (Southside)



Four South Carolina students were invited to take the USA Math Olympiad and the USA Junior Math Olympiad. Andy Guanpeng Xu (Sterling Middle), David Stoner (South Aiken), and Kevin Zhao (Lexington) all qualified for the Math Olympiad, and Jennings Chen (Spring Valley) qualified for the Junior Olympiad. David Stoner is in the running to be on the USA International Math Olympiad team of six.

Two teams from South Carolina placed in the top four of the Purple Comet Math Contest in the mixed schools division. The Columbia Math Circle came in fourth with a score of 29/30, and the Upstate Math Circle took first with a score of 30/30. The Columbia Math Circle team was David Stoner (South Aiken), Esme Bajo (A.C. Flora), Robert Melville (D.W. Daniel), David Liu (Hammond), and Albert Wang (Dutch Fork).

ALL-STATE MATH TEAM

Insights from Patrick: Any student that qualifies for the American Invitational Mathematics Examination is asked to be on the All-State team. To qualify for the AIME, students must take the AMC 10 or AMC 12 exam and make the minimum mark for AIME qualification. This is a national test made by the Mathematical Association of America. Students who place in regional math contests may also be chosen. For example, winners of the State MathCounts contest are invited. If a teacher wants to help a student get on the team, he/she should attend as many contests as possible and should register their school for the AMC (American Mathematics Competition). Certain colleges ask for AMC scores, so this can benefit the student in multiple ways. To help students prepare for math contests, the *Art of Problem Solving Website* is the place to go. Most of our top students have logged hundreds, if not thousands, of hours on the website.

2014 SC All-State Math Team

2014 ARML (American Regions Math League) Team Members:

Albert Huang (Spring Valley), Albert Wang (Dutch Fork), Alex Tew (St. James Middle School), Amil Merchant (Southside), Andy Hu (Lexington Middle School), Andy Xu (Sterling Middle School), Brennan Ravan (Dent Middle School), Chelsea Chen (Hammond), Coryelle Pondy (A. C. Flora), David Liu (Hammond), David Stoner (South Aiken), Elaine Lin (Hammond), Esme Bajo (A. C. Flora), Gordon Zhang (GSSM), Greg Rassolov (Spring Valley), Hollin He (Hammond), Isaac Baum (Home School), Jennings Chen (Spring Valley), Keanu Sida (Riverside), Kerry Yan (Riverside), Kevin Zhao (Lexington), Kimi Xu (Pinewood Prep), Lina Tian (Southside Christian), Max Land (Dutch Fork), Michael Ott (Christ Church), Millie Chen (Hammond), Nida Ansari (Riverside), Richard Chen (Spring Valley), Robert Melville (D. W. Daniel), Salley Reamer (A. C. Flora), Scott Rachwal (Dutch Fork), Simran Matthews (A. C. Flora), Vinita Cheepurupalli (Dent Middle School)



Patrick Rybarczyk wins Samuel L. Greitzer Award

Congratulations Patrick!

June 5, 2014 letter from Patrick Rybarczyk:

Thanks to everyone for all their hard work. I want to thank all of our coaches: Marcus Neal, Katie Ordoyne, Dave Trautman, Philip Cross, Ken Nolen, and Gray Williams. I could not make this competition happen without all of your help. I want to thank SCCTM for sponsoring our team. We would have trouble affording the competition without their help. I would also like to thank each and every student for the hours that you have dedicated to practicing and learning mathematics. I hope you find as much joy in the subject as I have. You have made me very proud with all that you have accomplished.

A special congratulations to Richard Chen and David Stoner for coming in 14th and 16th respectively in the overall individual contest. You guys killed at the tiebreaker round. Out of 85 people tied with nine correct, Richard was the second fastest and David the fourth fastest at completing the problem. I also want to congratulate Kevin Zhao and Andy Xu for winning medals on the A team and Brennan Ravan for winning a medal on the B team. The A team deserves a big round of applause. We lost four of our top eight competitors due to graduation. Yet, we were still able to have one of our top finishes ever coming in at 18th. I believe we were in the top ten for team and power, but I have to wait for the official results. I also want to thank everyone for supporting me as coach. Winning the Samuel L. Greitzer Award was a big surprise. I have loved being coach, and I plan on doing it for at least another ten years. I want to thank all of the Seniors, and I wish you all the best in college and beyond.

As we look forward to next year, we should focus on making the top ten. It has been my goal for the past six years. We can do it! Rising Seniors, I hope you will return for next year.

Thank you,
Patrick Rybarczyk

Professional Development Opportunities

Marc Drews, Special Training Committee Chair

Welcome to Hands-On, Minds-On!

Hands-On, Minds-On! has been EdVenture's signature professional development experience for classroom teachers since 2006. Designed to strengthen teachers' confidence about science and mathematics and cultivate their students' curiosity, the institutes and workshops have helped strengthen teachers' understanding of the curriculum integration and hands-on learning. Some upcoming programs include:

South Carolina's Amazing Coast Teacher Workshop (Grades 3-5)

Wednesday, July 23, 2014 9:30 am to 4:00 pm

Maritime forests, barrier island beaches, and the salt marsh are just a few of the exciting habitats located along South Carolina's coast! Join the South Carolina Sea Grant Consortium as we highlight the South Carolina's Amazing Coast curriculum through hands-on activities, informative presentation, live animals, and door prizes! All activities presented align with the South Carolina State Science Standards and promote creativity and critical thinking about our coastal habitats and opportunities for stewardship. Participants will receive a free copy of the South Carolina's Amazing Coast curriculum, a South Carolina Amazing Coast starter kit of activities, posters and other educational resources. One lucky teacher will win a free field trip to the South Carolina coast during the 2014-2015 school year! Space is limited to 35 teachers and recommended grade levels are 3rd-5th.

-To register, please go to: <https://www.surveymonkey.com/s/Q6BG2NS>. Deadline to apply is July 17th.

-Cost: \$30 (includes lunch).

Please make checks payable to South Carolina Sea Grant Consortium and mail to:

E.V. Bell, Marine Education Specialist

SC Sea Grant Consortium

287 Meeting Street

Charleston, SC 29401

Questions? Please contact E.V. Bell, SCSGC Marine Education Specialist at

elizabeth.vernon@scseagrant.org.

Website Information

Please check out www.scctmprogram.org for current information on and forms for the 2014 Fall Conference, Scholarship Opportunities, Professional Development Events, and our 2013-14 Sponsors. Find current and old pictures in the Photo Gallery as these are updated.

Work is underway on our official site www.scctm.org.



SCCTM Partners with EdVenture for two day Summer Workshop



Hands-on, Minds On! The Maker Education Experience (All Grades)

Monday and Tuesday, July 21 & 22, 2014 9:00 am to 3:00 pm

A two-day workshop designed to engage teachers in the maker education movement.

Teachers will learn about the national maker education initiative through a series of activities designed to stimulate STEM instruction, collaboration, creativity, and foster the importance of soft skills development. Space is limited to 30 teachers and this experience is recommended for teachers of any grade level since the focus is on the maker philosophy and approaches rather than the grade-specific activities. Participants will discuss how "maker" can be implemented at their particular grade level. For more on the maker education movement, please visit <https://www.flickr.com/photos/edventure/sets/72157645118077016/> or www.makered.org.

Cost: \$125 per person for the two-day maker workshop (includes lunch). **The first 20 SCCTM Members to register will receive a rebate form at the end of the workshop to submit to SCCTM to receive either a check or credit towards a 2014 Conference Registration for \$50.**

[Click here](#) to register for the July 21 & 22 workshop.

Questions? Please contact Laura Kane, EdVenture's Education Services Coordinator, at lkane@edventure.org

Other Resources & Mathematics Perspectives (continued on page 16)

The *Education Week* Spotlight on Secondary Math Instruction is a collection of articles hand-picked by their editors. You may wish to check out the free download at:

<http://www.edweek.org/ew/marketplace/products/secondary-math-instruction.html>

In Carnegie Perspectives *In the News—The Benefits of Carnegie's Mathematic Pathways* Reports and articles are available at: <http://www.carnegiefoundation.org/carnegie-perspectives/in-the-news/the-benefits-carnegies-mathematics-pathways>. The information begins: "Remedial education is getting plenty of attention from state lawmakers. Yet there is little consistency in how states track students' college preparedness and subsequent progress through remedial coursework. That's the central finding of a new report from the Education Commission of the States. . . ."

Additional articles by Paul Fain are referenced including:

Know a Problem to Fix It - July 2014

<http://www.insidehighered.com/news/2014/07/02/education-commission-states-takes-inconsistency-tracking-remedial-education#sthash.3vnmKNej.Jra84EyE.dpbs>

Working Hard for Results - March 2013

<http://www.insidehighered.com/news/2013/03/14/carnegie-foundations-remedial-math-fix#sthash.usvmRKS6.dpbs>

NCTM News

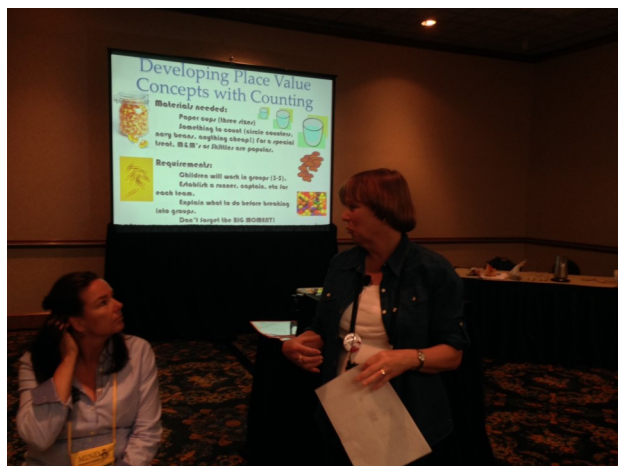
Sandy Powers, NCTM Representative



NATIONAL COUNCIL OF
TEACHERS OF MATHEMATICS

NCTM Annual Meeting & Exposition was held in April in New Orleans.

Joyce Moon, Vice President—Elementary,
and **Sandy Powers, NCTM Representative,** presented
Every Numeral has Its Place



If you have not made plans to attend an NCTM Interactive Institute, you're missing a great opportunity for high-quality professional development, **aligned with the Common Core State Standards for Mathematics**.

Register to take advantage of these learning opportunities and [share the savings!](#)

Engaging Students in Learning: Mathematical Practices and Process Standards for Grades 9-12
Chicago July 31-August 2

NEW book—Implementing the CCSSM through Problem Solving, Grades 3-5, completes the Implementing the Common Core State Standards through Mathematical Problem Solving Series. The 38 problems and tasks for students are organized into the major areas of the Common Core for grades 3-5; operations and algebraic thinking; number and operations in base ten; fractions; measurements and data; and geometry. For each task, teachers will find a rich, engaging problem or set of problems to use as a lesson starting point, with accompanying discussions that tie the tasks to specific Common Core domains and clusters. Follow-up sections highlight the CCSS Standards for Mathematical Practice students will engage in as they work on these problems.

NCTM 2014 Regional Conferences

Indianapolis, Indiana • October 29–31, 2014
Richmond, Virginia • November 12–14, 2014
Houston, Texas • November 19–21, 2014



Spotlight On Don Sarazen

Don Sarazen, a 5th grade teacher at H.B. Rhame Elementary in Richland One, has been teaching for 21 years. He loves teaching his students and has been recognized for his efforts. Don was chosen for the Presidential Award for Excellent Math and Science Teachers for 2012. The PAEMST Awardees were recently honored during a week of Recognition Events held March 2-5, 2014. The week included a visit with President Obama, who expressed his appreciation for their outstanding achievements. According to the PAEMST website, The Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) are the nation's highest honors for teachers of mathematics and science (including computer science). Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science education. Since 1983, more than 4,200 teachers have been recognized for their contributions in the classroom and to their profession.

Additionally, Don has been selected as a finalist for the 2014 Rosenthal Prize for Innovation in Math Teaching. According to the Museum of Mathematics website, the annual Rosenthal Prize for Innovation in Math Teaching is designed to recognize and promote hands-on math teaching in the upper elementary and middle school classrooms. Each year, the winning teacher is awarded a cash prize of \$25,000, and the winning activity is shared with interested teachers across the country.

The Rosenthal Prize for Innovation in Math Teaching has four goals:

- To recognize and reward exceptional 4th through 12th grade teachers who employ innovation(s) appropriate to the upper elementary or middle school classroom.
- To demonstrate to the education profession and the general public that innovative math teaching exists and can successfully reach the middle grades.
- To replicate the successful innovative activity of the winning teacher, distribute it to classrooms across the country, and positively impact math education in the United States.
- To encourage innovation and incorporation of hands-on methods in classrooms around the country.

Congratulations to Don on all of his accomplishments! We are proud to have him as an SCCTM member! He will also be sharing a session at the fall conference in Myrtle Beach on November 6-7. Don't miss the opportunity to meet this awesome mathematics educator!

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.

Platinum Sponsors

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

CASIO
Glenna Tabor Resources, LLC
Jerry Pallotta

Gold Sponsors

Encore Technology Group
Unified AV Systems

Contact Lane Peeler at SCCTM.exhibits@gmail.com for information regarding Exhibit Booths, Sponsorships and Ads for the 2014 Fall Conference.

SCCTM Fall Conference Door Prize Donors

As those of you, who attend the Fall Conference and Annual Business Meeting, know, fabulous Door Prizes are given at these events. These are donated by exhibitors, vendors, companies and individuals. We appreciate the time dedicated by Wilma Shealy to organize the door prize event.

SCCTM would like to express our appreciation to the following for donating Door Prizes at the October 2013 Fall Conference:

American Book Company
Casio
Curriculum Associates
ETA Hand 2 Mind
ETU
Gunnells Publishing, LLC
Hart, Inc.
Houghton Mifflin Harcourt
Jerry Pollatta
J. F. Bailey & Associates
Kaplan
Math Out of the Box
National Council of Teachers of Mathematics
Origo
SCEA
South Carolina Council of Teachers of Mathematics
TD Convention Center
Tests for Higher Standards
Texas Instruments
Triumph Learning
Turn Kids On

***2014 SCCTM Fall Conference
Myrtle Beach Convention Center
Myrtle Beach, South Carolina
November 6 & 7***

Follow www.scctmprogram.org for information and updates.

Membership Renewal & 2014 Conference Registration Instructions

Follow these easy steps to (a) renew your membership or join for the first time *and* (b) register for the **2014 Fall Conference** in Myrtle Beach, SC:

Membership

To renew your membership in SCCTM, rejoin or join SCCTM for the first time, follow steps 1 – 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 mailed last fall 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 may be 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; **\$20 for one year, \$55 for three years, or \$90 for five years.** Full-time student membership is **\$10 for one year or \$25 for three years.** Retired educators can join for **\$15 for one year or \$40 for three years.** Life Membership has increased to **\$420**

SPECIAL NOTICE: *Only the new 2014 Registration Form can be honored. If you use a form from a prior conference, it will be returned to you.*

Conference Registration

Registering for the Fall Conference couldn't be simpler. *One registration fee covers everything except the Authors Luncheon!* Just follow steps 7 & 8:

7. Check the registration amount you are including. *Note the October 18, 2014, 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!

Completing the Form

Follow steps 9 & 10 for all uses of the form:

9. You can include a donation to the SCCTM Scholarship Fund 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.
10. Complete the form with your total in the **TOTAL PD blank.**

Fill out 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.scctmprogram.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, November 5, 2014. *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!**

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

MEMBERSHIP • FALL CONFERENCE 2014 REGISTRATION FORM*Math . . . good to the core! • Myrtle Beach, SC • November 6 & 7, 2014**** 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:	\$20.00 (1 year)
[] Regular:	\$55.00 (3 years)
[] Regular:	\$90.00 (5 years)
[] Life:	\$420.00 (one time payment)
[] Retired:	\$15.00 (1 year) or \$40.00 (3 years)
[] Full-Time Student:	\$10.00 (1 year) or \$25.00 (3 years)

If paying membership, transfer the amount to the MEMBERSHIP section below. If Life or paid beyond 2014, mark Life or N/A 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	\$20.00	\$55.00	\$90.00	\$420.00	\$
[] Retiree	\$15.00	\$40.00	\$
[] Full-Time Student	\$10.00	\$25.00	\$
REGISTRATION:	REGULAR by 10/18/14	LATE/On Site after 10/18/14	ONE DAY ONLY [] THR • [] FRI		
[] Nonmember	\$115.00	\$125.00	\$65.00		\$
[] Active Member (Reg/Ret/Life)	\$75.00	\$85.00	\$45.00		\$
[] Full-Time Student	\$25.00	\$30.00	\$15.00		\$
[] Authors Lunch (Memb) *	\$19.50	\$24.50	as deadline states		\$
[] Authors Lunch (Non-memb) *	\$29.50	\$34.50	as deadline states		\$
DONATIONS:					
[] SCCTM Scholarship Fund					\$
[] All State Math Team					\$
TOTAL PD:					\$

available!

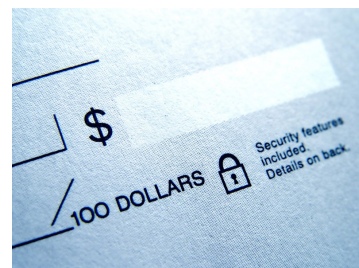
Mail completed form(s) to: SCCTM • PO Box 31911 • Charleston, SC 29417-1911
Registrants will be notified by email when their form has been processed. Receipts and name badges will be available for on-site pickup only. No forms will be processed unless correct payment, official purchase order, or credit card notification is received!

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

Other Resources & Mathematics News (continued from page 9)

Mathematicians getting Recognition

Comments from Paul Rodgers , contributor to *Forbes* (<http://www.forbes.com/sites/paulrodgers/2014/06/29/top-mathemeticians-win-15m-in-prizes/>)



Mathematicians are finally being offered an honour equivalent to, and in financial terms more generous than, the Nobel prizes for chemistry, physics and medicine.

The [Breakthrough Prize in Mathematics](#) has announced its first five winners, each of whom will be given US\$3m, two-and-a-half times the current Nobel prize money

The Foundations of Algebra, Through Pre-K Art Classes

A program in New Orleans is teaching “preschoolers the basics of algebraic thinking. The children count scarves and identify patterns . . . “ Go to: <http://wwno.org/post/foundations-algebra-through-pre-k-arts-classes> to learn more about Nanette Ledet’s experience.

“They saw that students were making gains in math concepts despite the fact that the focus was on literacy,” she says. “Just by the natural concepts in art forms, imagine the gains the students would make in math.”

Check out the 6/30/14 article in *The Atlanta Journal - Constitution*

“NEW CLASSROOM MANTRA: DON’T BE BORED. MAKE SOMETHING”

by Maureen Downey

<http://www.ajc.com/weblogs/get-schooled/2014/jun/30/new-classroom-mantra-dont-be-bored-make-something/>

to read more about the “Maker Movement”.



South Carolina Council of Teachers of Mathematics

2014 Conference – November 6 - 7 – Speaker Proposal Form
Myrtle Beach Convention Center, Myrtle Beach, SC

Check date preferred:

☐ Nov. 6 (Thursday) ☐ Nov. 7 (Friday) ☐ Either date **Signature** _____

Speaker Information (Name, Affiliation as it will appear in the program)

Speaker _____ Speaker School or
 Name _____ Organization _____

Preferred Mailing Address & other Contact Information (Most communication will be via e-mail)

Street/PO Box _____ e-mail _____

City, State, Zip Code + 4 _____ Phone (W) _____ (H) _____

Fax _____ Alternate e-mail _____

(If there will be more than one speaker presenting, please copy the form and have each additional person complete the information above. The speaker to be listed FIRST should complete the entire form and write "FIRST SPEAKER" under the "Speaker Name" line. Staple all forms together, placing the FIRST speaker form on top.) **Only the FIRST SPEAKER's Conference Registration Fee is discounted.**

Presentation Type (Please check only one) Attendees are seated at tables for workshops and mini-courses. Sessions are theater seating only. **Please review each Session Type Description on the next page BEFORE making your selection below.**

☐ Session (1 hr.) ☐ Workshop (90 min.) (Size - __ <50 or __ >49) ☐ Mini-course (3 hrs.) ☐ Gallery

☐ **Interactive Whiteboard** (Check Preferred Time - __ 1 hr. Session or __ 90 min. Workshop)

Check type of Interactive Whiteboard ☐ SmartBoard OR ☐ Promethean

Grade Level - check primary level or note appropriate grade span here _____ (e.g. PK – 5)

☐ PK-Grade 2 ☐ Grades 3-5 ☐ Grades 6-8 ☐ Grades 9-12 ☐ College ☐ General

Standard (check primary standard)

☐ Number & Operations ☐ Geometry ☐ Data Analysis & Probability
☐ Algebra ☐ Measurement ☐ Process Standards

<p style="text-align: center;">Is this a Common Core Presentation?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
--

Would you be willing to repeat your presentation? ☐ Yes ☐ No

Title of Presentation: (Please print or type. Not to exceed 90 characters, including spaces).

Description of Presentation: (Please print or type. Not to exceed 25 words).

Audio-Visual: A screen, cart and multi-plug cord will be in most rooms. You may request one projector.

One Standard Overhead Projector ☐ OR One LCD Projector ☐

A limited number of LCD Projectors are available: ☐ check if you will bring your LCD Projector

Limited whiteboard sessions will be available and must be requested above.

NO COMPUTER LABS WILL BE PROVIDED. ANY SPECIALIZED EQUIPMENT OTHER THAN THE AFOREMENTIONED WILL BE THE RESPONSIBILITY OF THE SPEAKER.

PLEASE EMAIL or MAIL BY April 15, 2014

To: Karen Threlkeld, Program Chair

e-mail: SCCTMProgram@aol.com

SCCTM Program

PO Box 210887

Columbia, SC 29221-0887

*Receipt of your proposal will be acknowledged via e-mail within approximately two weeks of the date received.
 Provide alternate Summer Contact Information on a separate sheet, noting applicable dates*

We will continue to accept speaker proposals through the summer for any open time slots.

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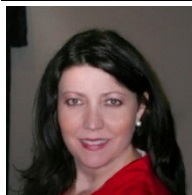
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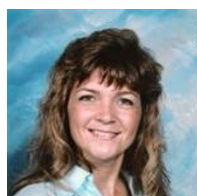
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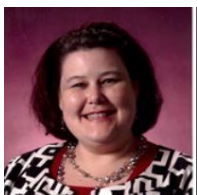
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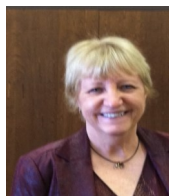
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SCCTM Important Dates to Remember

July 15, 2014 Award Nominations Due
July 21 - 22, 2014 Summer Workshop
September 15, 2014 Educators' Scholarship Application Due
September 15, 2014 Preservice Scholarship Application Due
November 6-7, 2014 SCCTM Fall Conference in Myrtle Beach