

# CHANGE THE WORLD OF MATHEMATICS: SOW A SEED

## PRELIMINARY MATH CONFERENCE

### PLANNING SCHEDULE

#### AT A GLANCE



#### **Planning Highlights**

- Wednesday: Registration 4:15 pm – 6:45 pm
- Wednesday Opening Session/Reception: 7:00 pm
- Thursday: Registration 7:30 am – 12:30 pm
- Thursday: Exhibit Hall 8:00 am – 4:30 pm
- Thursday: Business Meeting, Awards, Reception, and Door Prizes 4:45 pm
- Friday: Registration 7:30 am – 9:30 am

Early Bird Fee Deadline: October 13, 2018  
Pay by PO, Check, or Online

Registration may be done on-site, but it is suggested that each person set up their account on-line at [sctm.org](http://sctm.org) prior to getting in line at the conference.

A detailed and complete conference schedule with session descriptions will be available on-line prior to the conference.

**Please print out the pages provided in this document that will be pertinent to your conference planning experience.**

Wednesday  
Opening Keynote,  
Luke Dollar,  
and Reception

7:00 pm

Ballroom A/B

Exhibit Hall Opens  
and First Sessions  
Thursday & Friday

8:00 am

Pre-register and  
make payment prior  
to the conference via  
check, card, or send  
a Purchase Order in  
before the  
conference and pick  
up your conference  
materials in the Fast  
Track Line

November 14 – 16

South Carolina  
Council of Teachers  
of Mathematics



# 2018 SCCTM Conference Schedule at a Glance, Thursday November 15

## 8:00 – 9:00 SESSIONS

2. **Math! When Am I Ever Going to Use That?** 6<sup>th</sup> - 12<sup>th</sup> | Ballroom A/B
3. **Sowing the Seed of Literacy to Improve Problem Solving** 6<sup>th</sup> – 8<sup>th</sup> | Ballroom C
4. **Math Their Way through BUILD and Play** PreK – 2<sup>nd</sup> | Hall of Fame Room
5. **Raise Student Engagement: Invite Six Co-Teachers to Join Your Classroom** (Algebra Nation) 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
6. **Rethinking homework... again. Let ALEKS.com manage your homework, learning & assessments!** 3<sup>rd</sup> – 12<sup>th</sup> | Senate Room
7. **Let's Mix it all Up!** 6<sup>th</sup> – 8<sup>th</sup> | Carolina Room A
8. **Teaching Academic Vocabulary** 9<sup>th</sup> – 12<sup>th</sup> | Carolina Room A
9. **STEM Isn't Just "Child's Play"** K – 12<sup>th</sup> | Lexington Room A
10. **Experiential Play: Experience Math's Relevance** K – 8<sup>th</sup> | Lexington Room B
11. **Worksheet Woes** K – 5<sup>th</sup> | Richland Room A
12. **How Formative Assessment Lessons Changed My Classroom Dynamics and Boosted Engagement** 6<sup>th</sup> – 12<sup>th</sup> | Richland Room B
13. **Sometimes Parents just don't understand!** PreK – 2<sup>nd</sup> | Richland Room C
14. **What the Tech? - Implementing Technology Effectively in the Math Classroom** 6<sup>th</sup> – 12<sup>th</sup> | Congaree Room A
15. **Growing Each Learner in the Student-Centered Classroom** 6<sup>th</sup> – 8<sup>th</sup> | Congaree Room B

## 9:15 – 10:15 SESSION

16. **Motivate the Unmotivated Student with Differentiation on Your Side** 3<sup>rd</sup> – 8<sup>th</sup> | Lexington B

## 9:15 – 10:30 KEYNOTE ADDRESS

17. **Catalyzing Change: Identity, Agency, Positionality and Equitable Instructional Practices** General | Ballroom A/B

Dr. Robert Q. Berry III  
NCTM President



## 9:15 – 10:30 SESSIONS

18. **All Hands-on Deck** 3<sup>rd</sup> – 5<sup>th</sup> | Ballroom C
19. **Collaborative Ideas for Developing Productive Perseverance** 9<sup>th</sup> – 12<sup>th</sup> | Hall of Fame Room
20. **Using Algebra Nation with Fidelity: Differentiating to Meet the Needs of Multiple Students** 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
21. **Sowing the Seeds of Math Workshop** 3<sup>rd</sup> – 8<sup>th</sup> | Senate Room
22. **STEM: Connecting the Dots** 6<sup>th</sup> – 8<sup>th</sup> | Lexington Room A
23. **Math Running Records: The GPS of Math Fact Fluency** PreK – 5<sup>th</sup> | Richland Room A
24. **Red Rover! Red Rover! To Experience the Latest, Come on Over!** 6<sup>th</sup> – 12<sup>th</sup> | Richland Room B
25. **Let's Grow with Math!** PreK – 5<sup>th</sup> | Richland Room C
26. **Making Every Child a Mathlete** 6<sup>th</sup> – 8<sup>th</sup> | Congaree Room A
27. **Strategies Used to Promote Discourse in Mathematics Classrooms** 6<sup>th</sup> – 12<sup>th</sup> | Congaree Room B

## 9:15 – 11:45

28. **Adventure Math Trail** 3<sup>rd</sup> – 8<sup>th</sup> | Gallery Area (Under Escalator at 9:15 and head to Eventure)

## 9:30 – 10:30 SESSIONS

29. **Breakout EDU Re-Mix for Math Classes** General | Carolina Room A
30. **100kin10 Listening Session** General | Carolina Room B
31. **Amusement Park Math** K – 5<sup>th</sup> | Gallery Area (Under Escalator)

## 10:45 – 11:45 SESSIONS

32. **Support for Future Teachers** College Students | Congaree Room A
33. **Using Minecraft in the Classroom** 3<sup>rd</sup> – 5<sup>th</sup> | Ballroom C
34. **Classroom Misbehavior - The Bad Seed We Can Do Without** Pre-K-12 General | Hall of Fame Room
35. **Escaping the Traditional Classroom into a World of Adventure** 6<sup>th</sup> – 8<sup>th</sup> | Lincoln Room
36. **Using Gazebos to Bridge the Classroom to the Real World** 9<sup>th</sup> – 12<sup>th</sup> | Carolina Room A
37. **Catalyzing Change in High School Mathematics: Initiating Critical Conversations** 9<sup>th</sup> – 12<sup>th</sup> | Richland Room C
38. **Sow a Seed – Teach Elementary / Middle School Teachers Measurement and do it hands-on.** PreK – 8<sup>th</sup> | Carolina Room A
39. **Pump Up the Powerful Mathematical Practices** 6<sup>th</sup> – 12<sup>th</sup> | Gallery Area – Under the Escalator

## 10:45 – 12:00 SESSIONS

40. **Exploring Math Concepts with Games and Manipulatives** General | Ballroom A/B
41. **K-2 Number Sense & Counting Collections** PreK – 2 | Senate Room
42. **Using the TI-Nspire in the Middle School Classroom** 6<sup>th</sup> – 8<sup>th</sup> | Carolina Room B
43. **Math in Action: Building a Pen and House for Puppy** 3<sup>rd</sup> – 5<sup>th</sup> | Lexington Room A
44. **EdVenture's Math Games** K – 6<sup>th</sup> | Lexington Room B
45. **Developing Mathematical Roots: Promoting a Mathematics Culture Across the Curriculum** PreK – 6<sup>th</sup> | Richland Room A
46. **How Moody are You?** 6<sup>th</sup> – 12<sup>th</sup> | Richland Room B

## 12:15 – 1:15 SESSION

47. **Teaching Academic Vocabulary** 9<sup>th</sup> – 12<sup>th</sup> | Congaree Room B
48. **The Power of Virtual Manipulatives** PreK – 8<sup>th</sup> | Carolina Room B

## 12:15 – 1:30 SESSIONS

49. **Embracing the Present to Own your Future** General | Ballroom A/B
50. **Rolling on Fact Fluency Grades 3-5** 3<sup>rd</sup> – 5<sup>th</sup> | Ballroom C
51. **Continuing the Conversation Beyond the First Raised Hand** 3<sup>rd</sup> – 12<sup>th</sup> | Hall of Fame Room
52. **Using Algebra Tiles from Polynomials to Completing the Square** 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
53. **Next Generation Numbers K – 2nd** | Senate Room
54. **"Math the Unsinkable"** 6<sup>th</sup> – 8<sup>th</sup> | Carolina Room A
55. **Maker Education 101** General | Lexington Room B
56. **Guided Math in Action** PreK – 5<sup>th</sup> | Richland Room A
57. **Red Light! Green Light!** 6<sup>th</sup> – 8<sup>th</sup> | Richland Room B
58. **Increasing Engagement through Collaboration and Rich-Problem Solving** 9<sup>th</sup> – 12<sup>th</sup> | Richland Room C
59. **Seriously Fun Mathematics with Cards** 3<sup>rd</sup> – 5<sup>th</sup> | Congaree Room A

## 12:30 – 1:45 PM SESSIONS

60. **Wake Up! Active Learning in the Mathematics Classroom** 9<sup>th</sup> – 12<sup>th</sup> | Lexington Room A

## 1:45 – 2:45 SESSIONS

61. **Making a Gingerbread Village in Math Class** 3<sup>rd</sup> – 8<sup>th</sup> | Ballroom C
62. **It's Not Right, But It's Okay: Errors as Opportunities in Math** 6<sup>th</sup> – 12<sup>th</sup> | Hall of Fame Room
63. **SmART Math** 3<sup>rd</sup> – 5<sup>th</sup> | Lincoln Room
64. **Using visual patterns to introduce Linear Functions** 7<sup>th</sup> – 10<sup>th</sup> | Congaree Room B
65. **Breakout of the Routine Reviews in Math Class!** 9<sup>th</sup> – 12<sup>th</sup> | Gallery Area (Under Escalator)



South Carolina Council of Teachers of Mathematics





# 2018 SCCTM Conference Schedule at a Glance, Friday November 16

## 8:00 – 9:00 SESSIONS

- 91. **Homework with a Purpose** 3<sup>rd</sup> - 12<sup>th</sup> | Ballroom A/B
- 92. **Your School Garden PBL** 6<sup>th</sup> – 8<sup>th</sup> | Ballroom C
- 93. **Khan Academy** General | Hall of Fame Room
- 94. **Less is More Approach to Conceptual Learning and Inquiry** 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
- 95. **Sowing the Seeds of Collaboration: Expanding Math into History** 6<sup>th</sup> – 8<sup>th</sup> | Senate Room
- 96. **The Mathematics of Secret Messages** 9<sup>th</sup> – 12<sup>th</sup> | Carolina Room A
- 97. **Is Equal Groupings It? Choose Your Own Pathway for Multiplication Using Tools, Models, and Strategies** 3<sup>rd</sup> – 5<sup>th</sup> | Carolina Room B
- 98. **What is STEAM?** K – 12<sup>th</sup> | Lexington Room A
- 99. **MakerSpace and Inclusion: A Nontraditional Approach** General | Lexington Room B
- 100. **The Magic of Engagement!** K – 5<sup>th</sup> | Richland Room A
- 101. **Trouble factoring? Box it!** 9<sup>th</sup> – 12<sup>th</sup> | Richland Room B
- 102. **The research behind Agile Mind course programs** 6<sup>th</sup> – 12<sup>th</sup> | Richland Room C
- 103. **New Teacher Meeting (Years 1-3)** 9<sup>th</sup> – 12<sup>th</sup> | Congaree Room A
- 104. **Common Assessments and So Much More: Collaboration Among Algebra 2 Teachers** 9<sup>th</sup> – 12<sup>th</sup> | Congaree Room B

## 9:15 – 10:15 SESSION

- 105. **Help me, help you. Getting students to go beyond "IDK"** General | Lexington B

## 9:15 – 10:30 KEYNOTE ADDRESS

- 106. **Advocating for High Quality Math Instruction: Effectively Responding to Critics**  
General | Ballroom A/B  
Dr. Matt Larson, HMH



Houghton Mifflin Harcourt.

## 9:15 – 10:30 SESSIONS

- 107. **Mathcation- Take A Vacation From the Same Old Math Routine!** 6<sup>th</sup> – 8<sup>th</sup> | Ballroom C
- 108. **To Proficiency & Beyond, A Strategic Approach to Addition and Subtraction** PreK – 2<sup>nd</sup> | Hall of Fame Room
- 109. **Forward Thinking, Teaching and Learning (FTTL)** 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
- 110. **Getting Groovy with Guided Math** – 3<sup>rd</sup> – 5<sup>th</sup> | Carolina Room B
- 111. **Grid Games: Gamification of the Math Classroom** 3<sup>rd</sup> – 8<sup>th</sup> | Carolina Room B
- 112. **Wake Up! Active Learning in the Mathematics Classroom** 6<sup>th</sup> – 8<sup>th</sup> | Lexington Room A
- 113. **Best Practices for Engaging 21st Century Learners** PreK – 2<sup>nd</sup> | Richland Room A
- 114. **Making the Most of Meaningful Models** K – 5<sup>th</sup> | Richland Room B
- 115. **Launching Algebraic Thinking Using One-to-One Technology** 9<sup>th</sup> – 12<sup>th</sup> | Richland Room C

- 116. **The Portrait of a "College-Ready Math Student": Conversations about Transitions** 6<sup>th</sup> – College | Congaree Room A
- 117. **Little Stuff, Big Effect. Increasing Student Interest** 9<sup>th</sup> – College | Congaree Room B

## 9:15 – 11:45 Mini-Course

- 118. **Effectively Using Algebra Tiles in Middle Level Mathematics Classes** 6<sup>th</sup> – 8<sup>th</sup> | Senate Room

## 10:30 – 11:45 SESSION

- 119. **EOCEP Release Items and Updates** 9<sup>th</sup> – 12<sup>th</sup> | Gallery Area (Under Escalator)

## 10:30 – 11:45 SESSION

- 120. **Flight Camp for Teachers** General | Lexington Room B

## 10:45 – 11:45 SESSIONS

- 121. **Maximizing High School Technology for Math Courses** 9<sup>th</sup> – 12<sup>th</sup> | Ballroom A/B
- 122. **Connecting Children's Literature with Middle Grades Math** 6<sup>th</sup> – 8<sup>th</sup> | Ballroom C
- 123. **To Proficiency & Beyond, A Strategic Approach to Addition and Subtraction** 3<sup>rd</sup> – 5<sup>th</sup> | Hall of Fame Room
- 124. **Tips, Tricks and Tools to Survive in a Middle School Math Classroom** 6<sup>th</sup> – 8<sup>th</sup> | Lincoln Room
- 125. **You Used to Solve Me on My Mobile** 6<sup>th</sup> – 12<sup>th</sup> | Carolina Room A
- 126. **Relationships between the Volumes of Cylinders, Cones, and Spheres** 6<sup>th</sup> – 8<sup>th</sup> | Carolina Room B
- 127. **One mighty seed: The Practice of Teaching using Student Teams** General | Congaree Room A
- 128. **Survive and Thrive the First Year** General | Congaree Room B

## 10:45 – 12:00 SESSIONS

- 129. **STEM: Math is the Connection** 3<sup>rd</sup> – 5<sup>th</sup> | Lexington Room A
- 130. **TI-Rover Robot Teaches Geometry in Middle School!** 6<sup>th</sup> – 8<sup>th</sup> | Richland Room B
- 131. **Changing the Way that We Teach Adding and Subtracting Rational Expressions: A Venn Diagram Approach** 9<sup>th</sup> – 12<sup>th</sup> | Richland Room C

## 12:00 – 1:00 SESSION

- 132. **Total Participation Techniques** 3<sup>rd</sup> – 8<sup>th</sup> | Ballroom C
- 133. **Triangles on Triangles** 9<sup>th</sup> – 12<sup>th</sup> | Congaree Room B
- 134. **Teaching and Assessing Math in a Digital World** 6<sup>th</sup> – 12<sup>th</sup> | Hall of Fame Room
- 135. **Math in Motion** 6<sup>th</sup> – 12<sup>th</sup> | Lincoln Room
- 136. **Teaching and Assessing Using Inquiry Based Learning** 6<sup>th</sup> – 12<sup>th</sup> | Carolina Room B

## 12:00 – 1:15 SESSION

- 137. **OMG! MATH!** 3<sup>rd</sup> – 12<sup>th</sup> | Senate Room
- 138. **Early Learning and Mathematics** PreK – 2<sup>nd</sup> | Lexington Room B
- 139. **Grow ALL Students Through Math Workshop in a Secondary Classroom** 6<sup>th</sup> – 12<sup>th</sup> | Richland Room A
- 140. **Using Impactful Strategies to Engage, Teach, and Assess Middle School Mathematics** 3<sup>rd</sup> – 8<sup>th</sup> | Congaree Room A

## 12:15 – 1:15 SESSION

- 141. **Clocks and Fractions: It's Time** PreK – 8<sup>th</sup> | Carolina Room A

## 1:00 – 2:15 SESSIONS

- 142. **Engaging Young, Gifted, and Black Learners in Culturally Challenging Tasks** 6<sup>th</sup> – 8<sup>th</sup> | Richland Room C
- 143. **Oh, the Math They Will Know!** PreK – 2<sup>nd</sup> | Ballroom A/B
- 144. **Roach Motel Tasks: Any Student Can Check-in, But None Check Out** 6<sup>th</sup> – 8<sup>th</sup> | Richland Room B

## 1:15 – 2:15 SESSIONS

- 145. **Keeping Your Students Engaged Using Technology in a 1:1 Classroom** General | Congaree Room B
- 146. **Escaping Mathphobias** 6<sup>th</sup> – 12<sup>th</sup> | Ballroom C
- 147. **Searching the Web for Math** 9<sup>th</sup> – 12<sup>th</sup> | Hall of Fame Room
- 148. **How to Reduce Mathematics Anxiety** General | Lincoln Room
- 149. **SCReady Release Items and Updates** 3<sup>rd</sup> – 8<sup>th</sup> | Gallery Area (Under Escalator)

## 1:30 – 2:30 SESSIONS

- 150. **The Cricut Classroom** 6<sup>th</sup> – 8<sup>th</sup> | Senate Room
- 151. **I do, We do – We Don't!** 6<sup>th</sup> – 12<sup>th</sup> | Carolina Room B
- 152. **Repairing the "I'm Bad at Math" Attitude** 6<sup>th</sup> – 8<sup>th</sup> | Lexington Room B
- 153. **Great Minds Don't Think Alike - Building Math Fluency** PreK – 5<sup>th</sup> | Richland Room A

## 1:30 – 2:45 SESSION

- 154. **What's the Problem? Supporting Student Success in Solving Problems** PreK – 5<sup>th</sup> | Carolina Room A
- 155. **Games and Activities for Numerical Fluency** 6<sup>th</sup> – 8<sup>th</sup> | Congaree Room A

## 2:30 – 3:45 CLOSING KEYNOTE ADDRESS

- 156. **Reinventing & Reimagining the Mathematics Classroom** General | Ballroom A/B  
Eric Milou, Rowan University, Sponsored by Pearson



## Friday's Highlights

- Registration 7:30 – 9:30
- Exhibit Hall 8:00 – 2:00
- Sessions Begin at 8:00 – End at 3:45
- Morning Keynote 9:15 – 10:30
- Lunch Available 11:00 – 1:00
- Closing Keynote 2:30 – 3:45

## Your Personal Planning Sheet for Thursday, November 15

Registration 7:30 am to 12:30 pm

Exhibits 8:00 am to 4:00 pm

| Time | Activity/Session Title  | Session No. | Location            |
|------|---|-------------|---------------------|
|      | <b>Visit the Exhibits</b>   |             | <i>Exhibit Hall</i> |
| 8:00 |   |             |                     |
| 9:15 | Keynote Address   |             | <i>Ballroom A/B</i> |
|      |   |             |                     |
|      |   |             |                     |
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| 1:45 | Keynote Address   |             | <i>Ballroom A/B</i> |
|      |   |             |                     |
| 4:45 | 42 <sup>nd</sup> Annual SCCTM Business Meeting &<br>Awards Ceremony |             | <i>Ballroom A/B</i> |

## Your Personal Planning Sheet for Friday, November 16

Registration 7:30 am to 9:30 am

Exhibits 8:00 am to 2:00 pm

| Time | Activity/Session Title  | Session No. | Location            |
|------|-------------------------|-------------|---------------------|
|      | Visiting the Exhibits   |             | <i>Exhibit Hall</i> |
| 8:00 |                         |             |                     |
| 9:15 | Keynote Address         |             | <i>Ballroom A/B</i> |
|      |                         |             |                     |
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| 2:30 | Closing Keynote Address |             | <i>Ballroom A/B</i> |



## ***Change the World of Mathematics Sow a Seed***

### **Credit Renewal Planner**

#### **General South Carolina Guidelines:**

1. Renewal credits must be related to the educator's professional growth plan and/or support the goals of the employing educational entity, and therefore, are subject to the approval of the educational entity. A pre-approval for this professional activity may be required. SCCTM Conference credits will be issued under Option #10 of the SC Certificate Renewal Plan.
2. An educator may earn renewal credits only through activities for which all eligibility criteria have been met.
3. The educator is responsible for maintaining all required renewal credit verification and documentation.

#### **Personal Planning:**

1. Review the list of sessions available for each time period and select the sessions you would like to attend.
2. Write the session topic or title and room number in the space provided. Refer to this form throughout the conference.
3. Before you leave a session, plan where you will go for your next session. Plan an alternate choice.

#### **Certificate Renewal Credits:**

1. At the end of each session, the presenter or facilitator will inform attendees of the Certificate Renewal Credit (CRC) Code for that session. If the presenter does not provide this code, please ask for this information before you leave the session. You must have the correct code numbers as proof of your attendance.
2. Sessions and workshops are of varying lengths and are counted according to the number of minutes involved.
3. You may count up to 60 minutes for reviewing the instructional materials in the exhibit area. The CRC Code for this may be found in the SCCTM booth.
4. Each hour of attendance in sessions or workshops is equal to one (1) certificate renewal point. To calculate the total number of points earned, you will need to add your total session and workshop minutes and divide by 60 to determine the credit points you earned.
5. Retain this completed form in your Certificate Renewal File for submission according to your district's procedures.
6. As an alternate to this form, a link will be provided for you to obtain certificates as proof of your attendance. You must use the CRC code provided at the end of a session to obtain the certificate.



**South Carolina Council of Teachers of Mathematics 2018  
Conference Renewal Credit Certification Form**



**Name** \_\_\_\_\_

Complete this table to document your participation in conference sessions and workshops for certificate renewal credit points. CRC Codes will be provided at the end of each session. It is the attendee's responsibility to keep up with their attendance and to obtain and document the session CRC codes to use as proof of attendance.

| Schedule Time  | Session | Title/Topic | Room                  | CRC Code | Minutes |
|--|---------|-------------|-----------------------|----------|---------|
| <b>Wednesday, November</b>                                 |         |             |                       |          |         |
|  |         |             |                       |          |         |
| <b>Thursday, November</b>                                  |         |             |                       |          |         |
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|  |         |             |                       |          |         |
| <b>Friday, November 16</b>                                 |         |             |                       |          |         |
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|  |         |             |                       |          |         |
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|  |         |             |                       |          |         |
| <b>Total all session and workshop minutes.</b>             |         |             | <b>Total Minutes:</b> |          |         |
| <b>To calculate your CRC points, divide minutes by 60.</b> |         |             | <b>Total Points:</b>  |          |         |

**Assurance of Accuracy:**

Only this Official Document in your Program Book is signed. Please only use and sign this form to affirm the accuracy of your participation and the renewal credits accrued.

\_\_\_\_\_  
Educator's Signature      Date

*Leigh Martin*  
\_\_\_\_\_  
Leigh Martin, President  
SC Council of Teachers of Mathematics





