



**TEACHING AND ASSESSING  
SCCCR MATHEMATICS CONTENT AND PROCESS STANDARDS**

**JUNE 2017 – JULY 2017 8:30 AM – 3:30 PM**

**CONCEPTS IN GEOMETRY - Middle and High School Mathematics Teachers**

DATES	GRADE BAND	STANDARDS AREA OF EMPHASIS
Monday, June 12, 2017	8 – 12	Expressing Geometric Properties with Equations
Tuesday, June 13, 2017	8 – 12	Expressing Geometric Measurement & Dimension
Wednesday, June 14, 2017	8 – 12	Similarity, Right Triangles and Trigonometry
Thursday, June 15, 2017	8 – 12	Circles, Congruence, Modeling & Interpreting Data

**CONCEPTS IN PROBABILITY AND STATISTICS  
Middle AND HIGH School Mathematics Teachers**

Monday, June 19, 2017	8 – 12	Modeling and Interpreting Data
Tuesday, June 20, 2017	8 – 12	Making Inferences and Justifying Conclusions
Wednesday, June 21, 2017	8 – 12	Conditional Probability and Rules of Probability
Thursday, June 22, 2017	8 – 12	Using Probability to Make Decisions

**CONCEPTS IN UPPER ELEMENTARY AND MIDDLE SCHOOL MATHEMATICS**

Monday – Thursday July 10 - 13, 2017	Grades 3-8	Algebraic Thinking and Proportional Relationships
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**STEM FORWARD - SUSTAINING THE MOMENTUM SESSIONS**

*An intensive focus will be placed on enhancing content knowledge through STEM applications of mathematics, science and engineering practices, effective pedagogy, and aligned assessment.*

Monday Thursday July 17 - 20, 2017	Grades 3-8	Upper Elementary and Middle School <b>STANDARDS-BASED STEM EDUCATION</b>
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**CONCEPTUAL DEVELOPMENT STRATEGIES AND APPLICATIONS**

- ✓ Support and push students to greater levels of competency and academic success.
- ✓ Deepen concept development and understanding of mathematics content through effective use of available technology.
- ✓ Move beyond mathematics games or computer-base drill and practice.
- ✓ Apply mathematics content in real world settings and real time data collection, organization and analysis.
- ✓ Engage students in interactive concept building tools for learning mathematics.
- ✓ Engage students in purposeful mathematics problem solving and modeling in contextual situations.
- ✓ Provide purposeful instruction based on the power of mathematics instructional technology.
- ✓ Match and integrate appropriate learning targets from the SCCCR Mathematics Standards with the right technology tools.



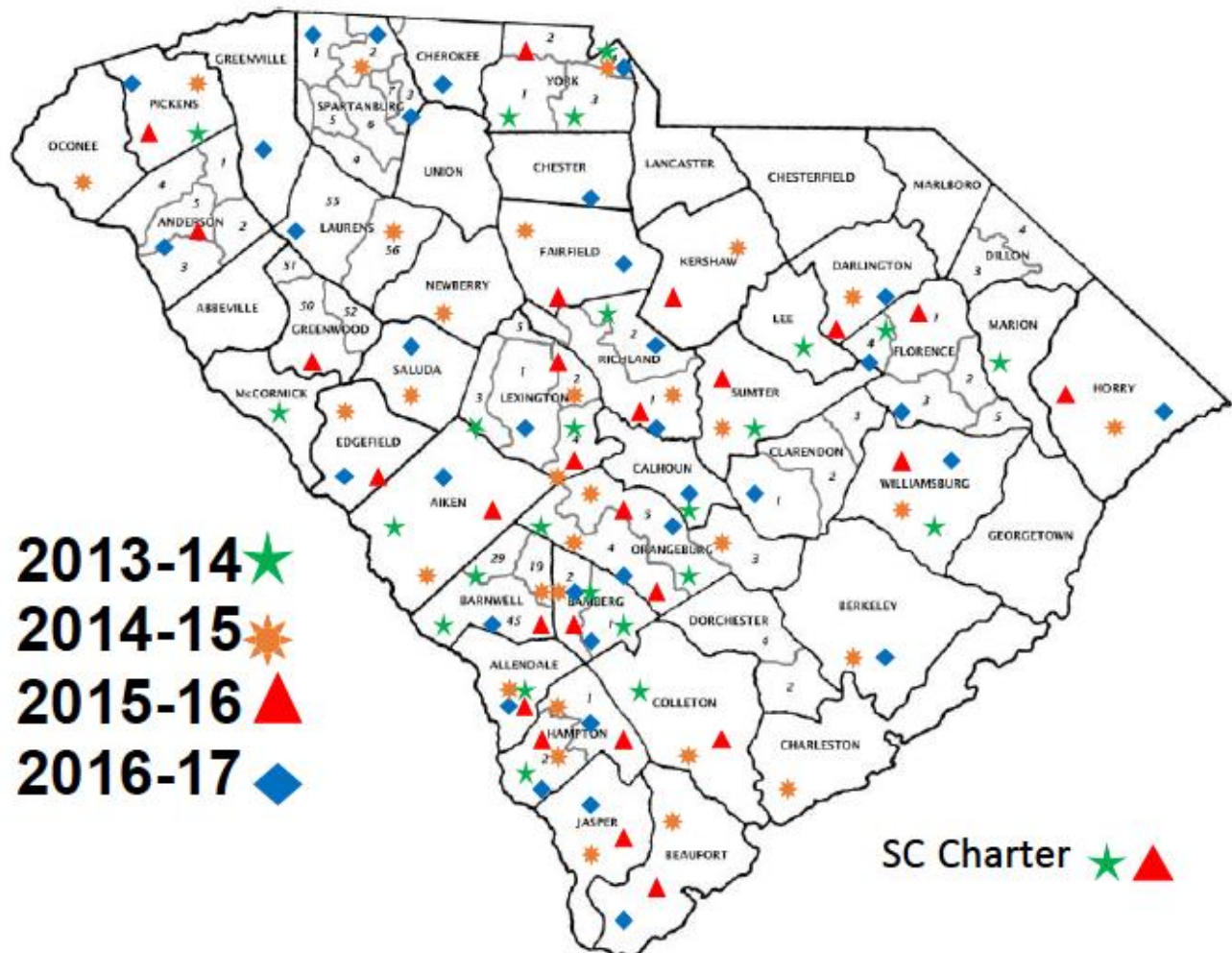
**TO REGISTER**, please [Register Using Google Forms Now!](#) or visit the Ruth Patrick Science Education Center Website at <http://rpsec.usca.edu/ProfessionalLearning/>

We invite you to register teachers for the **Summer Professional Learning opportunities** offered through the Ruth Patrick Science Education Center at USC Aiken. These K-12 four-day mathematics and STEM institutes will be offered in June and July. Flyers and registration forms for these can be found at: <http://rpsec.usca.edu/ProfessionalLearning/>

Discounts for early registration are available (prior to Thursday, June 1, 2017).

Over the past four years, teachers, curriculum specialists, and administrators from more than 50 South Carolina school districts have participated in RPSEC professional Learning. The feedback has always been overwhelmingly positive.

## Ruth Patrick Science Education Professional Learning Participant District Map 2013-2017



Please do not hesitate to email ([gloriaa@usca.edu](mailto:gloriaa@usca.edu)) or call (803.641-3592) if you have any questions or need additional information. We look forward to participation of teachers and curriculum support specialists from your schools and district.

**Registration Form**

**SUMMER 2017**

**PROFESSIONAL LEARNING OPPORTUNITIES**

Teaching and Assessing South Carolina College- and Career-Ready Mathematics Content and Process Standards  
With an Integration of the Science and Engineering Practices

*For K-12 Mathematics and Science Teachers, Curriculum Support Specialists, and School Administrators*

<b>District Name:</b>				
<b>Superintendent:</b>	<b>Address:</b>			
	<b>City, State Zip Code:</b>			
<b>School Name:</b>			<b>Telephone:</b>	( )-
<b>District Contact:</b>	<b>Address:</b>			
	<b>City, State Zip Code:</b>			
<b>Title or Position:</b>			<b>Email:</b>	
<b>Institute Registration:</b> 8:30 am – 3:30 pm at USC Aiken	<input type="checkbox"/> Grades 8-12	<input type="checkbox"/> Grades 8-12	<input type="checkbox"/> Grades 3-8	<input type="checkbox"/> Grades 3-8
	<b>CONCEPTS IN GEOMETRY</b>	<b>CONCEPTS IN PROBABILITY AND STATISTICS</b>	<b>CONCEPTS IN UPPER ELEMENTARY AND MIDDLE MATHEMATICS</b>	<b>STEM FORWARD – SUSTAINING THE MOMENTUM</b>
	June 12-15, 2017	June 19-22, 2017	July 10-13, 2017	July 17-20, 2017
<b>Participant information:</b>				
<b>Participant Name:</b>			<b>Email:</b>	
<b>Position:</b>			<b>Grade Level Course(s):</b>	
<b>Individual Registration Fee:</b>	<input type="checkbox"/> Early Registration by June 1, 2017: \$440 per institute per person <input type="checkbox"/> Registration after June 1 <sup>st</sup> : \$480 per institute per person			

**Payment Method: (Make check payable to USC Aiken)**

- Registration Fee Enclosed: \$ \_\_\_\_\_
- Purchase Order Enclosed. Please Invoice School/District for \$ \_\_\_\_\_ PO# \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Print Name \_\_\_\_\_

Download and return completed form to [RPSEC@usca.edu](mailto:RPSEC@usca.edu) or [Register using Google Form Online](#)

USC Aiken; 471 University Parkway, Box 3; Aiken, SC 29801 FAX: (803) 641-3615

For more information contact: Gloria W Allen [gloriaa@usca.edu](mailto:gloriaa@usca.edu) or (803) 641-3592

*RPSEC Professional Learning ONLY:*

<i>Dates attended:</i>				
<i>Date Paid</i>				
<i>Check# &amp; amount</i>				
<i>Receipt #</i>				