



SOUTH CAROLINA

STATE DEPARTMENT OF EDUCATION

Middle School Mathematics Professional Learning Opportunity: Middle School Mathematics Academy

The **Office of Standards and Learning** will offer a **free** series of professional learning opportunities to help educators successfully implement the South Carolina College and Career-Ready Standards for Mathematics in Grades 6-8. Teachers, instructional coaches, and district level educators are encouraged to participate. ESOL and exceptional children educators are also invited to register and participate.

The **Middle School Mathematics Academy** is a four part series designed to strengthen mathematical knowledge for teaching in Grades 6-8. During this series, participants will undertake an investigation into the learning and teaching of mathematics at the middle school level. Participants will investigate how children learn mathematics and what deep understanding of mathematics means. They will learn how to teach mathematics so that learners see relationships and connections within and between mathematics ideas. They also will learn how to encourage expectations for self-reliance in students and how to build a foundation of knowledge to support their more advanced study of mathematics. Each session will focus on a specific area of middle school mathematics.

Specifically, participants will:

- understand the content (what), methods (how), and materials (manipulatives and tools) necessary to teach middle school mathematics;
- understand different types and characteristics of knowledge and learning in mathematics;
- understand how to informally assess students' mathematical thinking and plan appropriate instruction;
- learn how to build an instructional environment that supports the teaching and learning of mathematics;
- learn how to make instructional decisions about the use of curricular materials, manipulative materials, technology, and supplemental materials.

Additional Information

- Participants **must attend all 4 sessions** and complete an assignment after each session.
- Registration is limited to **50 people per session**.
- **Each session will be held 9:00 a.m. – 3:30 p.m.** Participants should plan to arrive and sign in between 8:30 a.m. and 9:00 a.m. There will be no on-site registration.
- **Participants must bring lunch** – we will take only 30 minutes for lunch and that does not allow time to leave the session.
- **Sessions require that participants bring materials in order to participate.** Those materials will be specified prior to each session.
- Upon the completion of all sessions, participants will receive a **Certificate of Recognition** and **twenty-five contact hours**.



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Dates and Locations

Session 1 - The Number System			
Dates	November 9, 2015	November 10, 2015	November 18, 2015
Locations	Nelson C. Nix Center of Excellence 770 Stilton Road Orangeburg, SC 29115	Palmetto Learning Center 116 Edwards Road Chesterfield, SC 29709	Piedmont Tech. College Newberry County Campus 1922 Wilson Road Newberry, SC 29108
Session 2 - Proportional Reasoning and Algebraic Thinking			
Dates	December 3, 2015	December 8, 2015	December 9, 2015
Locations	Nelson C. Nix Center of Excellence 770 Stilton Road Orangeburg, SC 29115	Piedmont Tech. College Newberry County Campus 1922 Wilson Road Newberry, SC 29108	Palmetto Learning Center 116 Edwards Road Chesterfield, SC 29709
Session 3 - Geometry and Measurement			
Dates	January 12, 2016	January 14, 2016	January 26, 2016
Locations	Nelson C. Nix Center of Excellence 770 Stilton Road Orangeburg, SC 29115	Piedmont Tech. College Newberry County Campus 1922 Wilson Road Newberry, SC 29108	Palmetto Learning Center 116 Edwards Road Chesterfield, SC 29709
Session 4 – Data, Statistics and Probability			
Dates	February 23, 2016	February 25, 2016	March 3, 2016
Locations	Nelson C. Nix Center of Excellence 770 Stilton Road Orangeburg, SC 29115	Piedmont Tech. College Newberry County Campus 1922 Wilson Road Newberry, SC 29108	Palmetto Learning Center 116 Edwards Road Chesterfield, SC 29709

Registration

Attention District Personnel: Do **NOT** use your email address to register participants. Each registrant must use his or her own name and email address for registration. Generic registration information (e.g., “SCDE Representative”) will not be accepted.

Registration must be submitted online by **October 30, 2015** via the following link:

<https://scde.formstack.com/forms/scdemsmathacademy2015plo>



For more information about this professional learning opportunity, please contact Janel Johnson, Middle School Mathematics Education Associate, via jejohnson@ed.sc.gov or 803.734.7814.