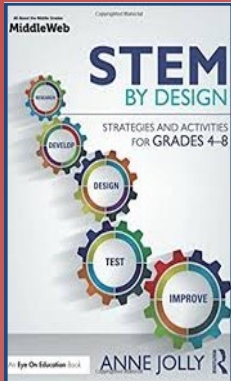


2018 Fall Professional Development

MathScience Innovation Center



STEM by Design Short Course

October 22, 29; November 5, 12, and 19, 2018; 4:30 p.m. — 7:00 p.m.
Grade Level: 3rd — 7th and STEM Teachers

Through creative collaboration and exploration, teachers discover the power of STEM to deepen student engagement and understanding of core concepts through the application of scientific principles, technology, engineering design, and mathematical analysis to authentic challenges and experiences.

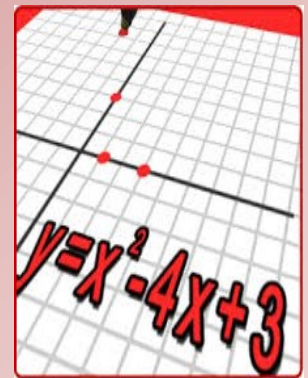
Receive classroom resources and 25 relicensure points for successful completion of the course.

Algebra I Short Course

October 22, 29; November 5, 12, and 19, 2018;
4:30 p.m. — 7:00 p.m.
Grade Level: Algebra Teachers

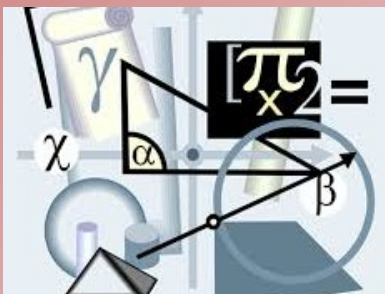
Meet each Monday to use research-based tools and strategies that will help raise student interest and achievement in the classroom. Our study will include: linear functions, DESMOS, traditionally troublesome topics, and Algeblocks.

Receive classroom resources and 25 relicensure points for successful completion of the course.



Fall 2018 AP Calculus Conference: Demystifying AP Calculus

October 19, 2018; 8:30 a.m. — 2:00 p.m.
Grade Level: Calculus Teachers



Wondering how best to prepare your students for the 2019 AP Calculus Exam? Come join us as AP Calculus Readers take you through a debrief of the 2018 AP Calculus Exam.

Participants will get an inside look at how AP Readers score each question and common questions asked on the exam. Particular focus will also be given to the components of the curriculum framework and Calculus mathematical practices.

Earn 5 relicensure points.

Free for MSiC Consortium* Educators!

*Chesterfield, Colonial Heights, Hanover, Henrico,
King William, Petersburg, Richmond

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www.myMSiC.org



2018 Fall Professional Development

MathScience Innovation Center

6 Degrees of Connection: Understanding the Interconnectedness of Earth Systems

October 20, 2018; 8:30 a.m. – 2:30 p.m.

(This workshop is conducted in cooperation with Nurture Nature Center, Easton, PA and Maryland Science Center, Baltimore, MD and made possible through a grant from NASA.)

Explore the interrelated systems that drive events of planet Earth and learn innovative new ways to connect your students to science. Using the latest NASA data and imagery, we will explore the topic with a newly-developed program on Science On a Sphere (SOS) and involve teachers in a creative arts-based communication workshop based on the SOS program.

Participants will hear from experts in Earth Science fields, providing content knowledge on the topic, and will take part in activities suitable for easy, replicable classroom use. The project will provide each teacher with lunch, a \$125 stipend, and take-away materials provided by NASA.



Geology of Virginia Field Study Series: Fall Zone to the Coastal Plain

(Made possible with the support from the Bruce K. Goodwin Memorial Fund of the Community Foundation)

October 20, 2018; 8:00 a.m. – 5:00 p.m.

Grade Level: 5th – 8th and Earth Science Teachers



Lace up your hiking boots and get ready for some field study work as we explore the geology of Virginia! Resources for the classroom and career options to share with your students will also be provided.

The first field trip in this series will include the geology of the Central Piedmont with a focus on the James River Fall Zone and the transition to the Coastal Plain. We will discover the incredible geology in the center of downtown Richmond, travel east to explore the Yorktown Formation, and then go fossil hunting at Chippokes State Park! The hike will take you over uneven terrain, granite boulders, and along sandy beaches. **Please dress appropriately for outdoor activities**, bring a disposable

water bottle, and a bag for fossils.

Receive 9 relicensure points for successful completion.

Free for MSiC Consortium* Educators!

*Chesterfield, Colonial Heights, Hanover, Henrico,
King William, Petersburg, Richmond

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