



# ACUMEN

INSTRUCTING, EQUIPPING & INSPIRING TEACHERS OF MATH & SCIENCE

## READY FOR RE-FUELING?

For most teachers, this time of year brings with it a number of thoughts and feelings. The end of the school year is beginning to come into sight and the giddiness that brings to both teacher and student alike can be energizing. Some teachers begin to feel the pressure the end of the year brings with trying to get everything done before school is out. For others, it's just a final push to make it through one more end of the year until the blessedness of summer comes to rejuvenate and re-energize for a new semester in the fall.

Whatever your sentiment is of this time of year, we at the Martinson Center for Mathematics & Science are excited to offer teachers an opportunity to re-fuel this summer with some unbeatable professional development opportunities.

Whether your motivation is simply to satisfy your professional development needs, to connect with other teachers and learn exciting new approaches and perspectives to teaching, or to start earning graduate credit towards a degree, we want to help you where you're at and give you what you need. Take a close look at what we are offering....you won't want to miss out! Here's what we're offering....

## **INQUIRY INSTITUTE**

Are you looking for a high-quality professional development program that goes beyond traditional summer institutes? Are you seeking an experience that reinvigorates your passion for science and teaching? Want science lessons that are tied to



## OUR MISSION

The mission of MCMS is to improve the quality of mathematics and science teaching in public and private K-12 schools in the Tidewater region by promoting knowledge, attitudes, skills, and habits of mind necessary for student literacy and success in mathematics and science.

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*“Education is not the filling of a pail, but the lighting of a fire.”*

— *William Butler Yeats*

the SOL's and are easy to do? If so, then this 3 day institute is for you! All participants will also receive over \$400 worth of materials for FREE! Dates: July 15-17. Cost: \$175.

## **PROFESSIONAL DEVELOPMENT FOR MATH TEACHERS!**

### **REACHING ALL STUDENTS IN MATH: MATHEMATICS**

#### **INSTRUCTION THAT WORKS!**

This workshop is taught by internationally known consultant in differentiation, Nanci Smith. She will address the impact of students differences on instruction and how those differences can be addressed through math instruction that emphasizes conceptual understanding along with procedural fluency. This workshop focuses primarily on grades K-5, however, teachers of all grade levels are welcome to attend. Dates: July 21-22. Cost: \$175.

### **INTEGRATING TECHNOLOGY IN THE 21ST CENTURY SCIENCE CLASSROOM**

Wikis, blogs, voicethreads, podcasting, digital storytelling, movie maker, and probes. Technology has changed in the last decade. This course will help you learn how to use these tools with your students to get students engaged and prepared for careers in the 21st century workplace! Please bring a unit or your curriculum guide for the first half of the year. Open to teachers in grades 3-5. Dates: July 9-11 Cost: \$40

### **MATH IN THE REAL WORLD**

Come learn how using manipulatives can help your students learn mathematics! Topics include problem solving, differentiation, fairness, geometry, algebra, combinations, mapping, and literature connections. Dates: August 3-4. Cost: \$40

The Martinson Center is offering a number of other great professional development opportunities for recertification points OR for graduate credit. Be sure to check out our website at [www.regent.edu/mathandsciencecenter](http://www.regent.edu/mathandsciencecenter) for more information or to register for a course! Don't wait because spaces are filling up quickly!

Register **now** at:

[www.regent.edu/mathandsciencecenter...](http://www.regent.edu/mathandsciencecenter...)

# Facebook® for Professionals?

A SOCIAL NETWORK OPPORTUNITY FOR COLLEAGUES OF LIKE MIND AND INTEREST

The Martinson Center has just started it's very own Facebook® group for math and science teachers who want to find connection, motivation, and inspiration in their professional careers.

Facebook® can be used as a tool that allows colleagues to connect and communicate on topics of similar interest and debate in a manner that benefits all who join in! It's a great way to share with colleagues across districts your thoughts, your strategies, your experiments, your observations and conclusions that can prove beneficial to other teachers in your field. We will post discussion forums, upcoming events, blogs, pictures, and more!

Dr. Flannagan, the Director for the Martinson Center, quotes, *“My hope and purpose in creating a Martinson Group is that it would be a place for interaction and communication between professionals, new teachers, and colleagues in our fields of math and science. It has the potential to create great energy, inspiration, and resource for teachers who are looking for ways to improve their teaching for the benefit of their students.”*

So, come and join our group! Simply click on the link [Facebook](#) and check us out! We look forward to “being your friend”!



## An M.Ed. is Well Worth Your While!

SEE HOW YOUR PROFESSIONAL DEVELOPMENT COURSES CAN COUNT TOWARDS YOUR DEGREE!

If you are considering pursuing a masters degree in Education, we'd love to talk with you. As you may well know, a teachers salary makes a significant jump with the completion of a Masters degree. Regent University can make that happen for you in less than a year! And, these professional development courses are a great avenue to pursue that can get you well on your way to that degree at an extremely competitive price! For more information, please contact us at 757.352.4123. An investment like this is one that will most definitely give you the most and best returns!

## MARTINSON CENTER FOR MATHEMATICS AND SCIENCE

The Center offers:

- ✦ Workshops dealing with a variety of instructional strategies, tools and models to improve the development of students' critical thinking, problem-solving and best practices in math and science
- ✦ Partnerships with schools and school divisions designed to improve the teaching of math and science
- ✦ Curriculum development and review
- ✦ Lecture series dealing with issues surrounding math and science
- ✦ Graduate courses and institutes to strengthen math and science content knowledge in grades K-12

### Martinson Center for Mathematics and Science

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## MORE PROFESSIONAL DEVELOPMENT! MARK YOUR CALENDARS FOR FALL '09 & SPRING '10 COURSES!

### FALL 2009

#### ENVIRONMENTAL EDUCATION

This workshop will utilize the environmental education programs of projects Learning Tree, WILD, and WET that emphasize wildlife, forest and water to bring environmental science to life for your students. Using hands-on activities that create awareness, appreciation, understanding, and skills your students learn to address various environmental issues within the framework of your existing curriculum. **Cost: \$40**

**DATES:** October 10th & 24th for grades K-5

November 7th & 21st for grades 6-12

### SPRING 2010

#### MODELS & STRATEGIES FOR DIFFERENTIATION IN SCIENCE K-12

This course is an introductory course for teachers of all grade levels who want to learn about models and strategies of instruction that will equip you to effectively respond to the varied learning needs of students. **Dates: Feb 9-March 9; every Tuesday 4-6 p.m. Cost: \$40**

#### WRITING IN SCIENCE

In the science classroom, writing is much more than an exercise for students to document their steps during an investigation. It's an important vehicle for describing their thought processes and the evidence that supports their reasoning. Writing in Science will show you how to encourage students to grow as scientists and writers by moving beyond recounting how they completed their work and toward explaining what they learned. And best of all, you will receive free lesson ideas and materials! **Dates: Feb. 27 & March 13th, 2010. Cost: \$40**

PROFESSIONAL DEVELOPMENT:  
RIGHT HERE. RIGHT NOW.

# MIND Research Institute

A Non-Profit Organization

**MIND Research Institute** is a neuroscience and education non-profit corporation dedicated to education program excellence and cutting edge scientific research. MIND Research Institute has successfully transferred more than 30 years of breakthrough brain and learning research into applied education programs for K-12 students. MIND Research continually improves its programs through data mining over 50 million student sessions and 9 years of standardized math test results, and publishes its scientific and educational research. Standardized test results have shown remarkable increases for participating students.

The MIND's Education Division utilizes a visual approach through courseware, textbooks, and professional development for the K-12 market. Their unique math education process employs the learner's spatial temporal reasoning abilities to explain, understand, and solve multi-step problems.

## **Benefits of MIND Program:**

- Innovative visual approach teaches math concepts
- Comprehensive courseware aligns to state standards
- Increases state standardized test scores for students, classes, and schools
- Game metaphor engages students who have struggled with conventional approaches in math and learning

Last month, Regent University hosted a meeting with several math coordinators from various local school districts and representatives from the MIND Institute in an effort to introduce their innovative program and approach to teaching students mathematics.

For more information about the MIND Institute or their programs, check them out on the web at: [www.mindinstitute.net](http://www.mindinstitute.net).



**Have a Safe, Relaxing, and Enjoyable Summer!**