

## NOVEMBER 2008 SCIENCE AND MATH BY INQUIRY NEWS

### EVENTS



Our fall workshops concluded on November 8. More than 80 teachers attended from our 10 participating school districts. Spring offerings will be announced in December; stay tuned to [www.sxi.sbc.edu](http://www.sxi.sbc.edu) for the latest information.

Congratulations to the EDUC 657 class, who presented at the Virginia Association of Science Teachers Annual Professional Development Institute in Hampton, Virginia, November 14-16. Highlights from the conference to come in next month's newsletter.

### GRANT OPPORTUNITIES

#### **Virginia Commission for the Arts Teacher Incentive Grants**

These grants will NOT be administered this year due to statewide budget cuts. For information, you can visit <http://www.arts.state.va.us/forms/artsed/teacherincentive.html>

#### **2009 NSTA/Vernier Technology Award**

This award honors innovative uses of data-collection technology. Recipients receive \$1,000 cash, \$1,000 in Vernier data collection technology, and up to \$1,000 to travel to the 2009 NSTA conference in New Orleans. There are two middle school (grades 6-8), one elementary school (grades K-5), and three high school (grades 9-12) awarded annually. See <http://www.vernier.com/grants/nsta.html> for more details

*Deadline: November 30, 2008*

#### **Toyota TAPESTRY Grants for Science Teachers**

Toyota TAPESTRY recognizes outstanding educators who are making a difference by demonstrating excellence and creativity in science teaching. This year, 50 large grants of up to \$10,000 each and 20-32 min-grants of up to \$2,500 will be awarded to k-12 teachers of science in the United States. The categories are Physical Science Application, Environmental Science Education, and Integrating Literacy and Science. For guidelines, go to [www.nsta.org/pd/tapestry/guidelines.htm](http://www.nsta.org/pd/tapestry/guidelines.htm)

*Deadline: January 21, 2009*

**For your students:  
Toshiba/NSTA ExploraVision Awards program**

ExploraVision encourages K-12 students to create and explore a vision of future technology by combining their imaginations with the tools of science. Up to \$240,000 in savings bonds will be awarded to teams of two to four students researching scientific principles and current technologies as the basis for designing innovative technologies that could exist in 20 years. For more information or an application, visit [www.exploravision.org](http://www.exploravision.org) or e-mail [exploravision@nsta.org](mailto:exploravision@nsta.org).

*Deadline: January 28, 2009*

Got an idea for a grant? We can help you write the proposal. Contact project assistant Jessica Griffith at [jgriffith@sbc.edu](mailto:jgriffith@sbc.edu).

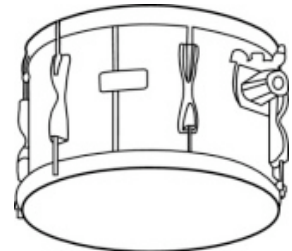
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**How We See the Scientific Method**

Is there a poster in your classroom depicting the Scientific Method? Is it a linear, one-way flow chart? The scientific method doesn't really flow in one direction. A better model for how scientists "do" science is depicted in a paper by Dr. William S. Harwood, available at <http://www.btanj.org/demo/2004/harwood1.pdf>

**November is International Drum Month**

What do you know about sound? Can sound travel in a vacuum? Does sound travel better through a gas, liquid, or solid? Why are there high-pitched and low-pitched sounds? For more ideas about how to explore sound with your class, contact Arlene Vinion-Dubiel, your Instructional Support Specialist.



And don't forget to fill out the ISS survey any time you work with Arlene. It's important for our ongoing funding from the State Council of Higher Education for Virginia: [http://www.surveymonkey.com/s.aspx?sm=SvmTP\\_2b2t0QOxQ5ZRBU4CPg\\_3d\\_3d](http://www.surveymonkey.com/s.aspx?sm=SvmTP_2b2t0QOxQ5ZRBU4CPg_3d_3d)  
For more information about our programs, go to [www.sxi.sbc.edu](http://www.sxi.sbc.edu)



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