

The V²CTM Reflection



THE VALLEY OF VIRGINIA COUNCIL OF TEACHERS OF MATHEMATICS

Volume 44	October 2013	Number 1
-----------	--------------	----------

Fall Meeting November 7 at Clymore Elementary

The Annual Fall V²CTM Meeting will be held on Thursday, November 7, 2013, at Clymore Elementary School in Fort Defiance. The meeting will feature a catered dinner, followed by a keynote address and three breakout sessions. To get to Clymore Elementary School from the north, take Interstate 81S to Exit 235. Turn right onto VA-256 then take an immediate left onto US 11S. In four miles, turn right onto Fort Defiance Road. Clymore Elementary is at 184 Fort Defiance Road, on your left across the street from Fort Defiance High School. To get to Clymore Elementary from the south, take Interstate 81N to Exit 227. Turn left onto Laurel Hill Road for 1 mile, then turn right onto US 11N. In 3 miles turn left onto Fort Defiance Road. Clymore is at 184 Fort Defiance Road, on your left across the street from Fort Defiance High School. Register on-line <http://v2ctm.org>. Registrations need to be in before November 1. Conference registration costs are only \$5 and include a fully catered dinner provided by White Hill Catering. There will be numerous appealing door prizes! The program is below:

4:30 – 5:00 Registration

5:00 – 5:45 **Dinner** catered by White Hill Catering (Meat Lasagna with Homemade Marinara Sauce, Vegetable Lasagna with Homemade Alfredo Sauce, Mixed Vegetable Medley, Green Salad, Garlic Bread, Dessert, Sweetened/Unsweetened Tea and Water)

5:45 – 6:00 Business Meeting/Door Prizes: Jenny Gibson, V²CTM President

6:00 – 7:00 **Keynote Address:** *Mathematical Minds in the Making*, Jennifer Suh, George Mason University

7:15 – 8:15 Breakout Sessions

Elementary K-5 Session: *Building on Student Responses: Continuing the Dialogue*, Zig Siegfried, James Madison University

Middle School 6-8 Session: *Moving from Natural Numbers to Signed Numbers*, Katy Ulrich, Virginia Polytechnic & State University

High School 9-12 Session: *Statistics for the Algebra 2 Classroom*, Pat Gabriel, Thomas Jefferson High School for Science and Technology (retired)

Virginia Math Educators To Present Sessions

Jennifer Suh is an Associate Professor in the Graduate School of Education, College of Education and Human Development, George Mason University and an Assistant Director of the Mathematics Education Center. Dr. Suh teaches mathematics courses in the Mathematics Education Leadership and Elementary Education programs. Dr. Suh is also the PDS University Facilitator at Westlawn Elementary School in Falls Church, Virginia. As a University Facilitator, she supervises teacher interns who are in the Professional Development School Program.

John (Zig) Siegfried is a professor of mathematics education at James Madison University. Zig holds a B.A. degree in mathematics and chemistry from Juniata College in Huntingdon, PA, an M.A. degree in Mathematics from the University of California, Santa Barbara, and a Ph.D. in Mathematics and Science Education from the University of California, San Diego and San Diego State University. For several years he worked for the Santa Barbara public schools helping children learn mathematics and co-taught pre- and inservice summer institutes. He is currently teaching the content courses for preservice teachers at JMU.

Katy Ulrich is an Assistant Professor in the Department of Teaching and Learning in the School of Education at Virginia Tech. She is currently working on building models of how middle school students construct their integer (signed number) concepts. Her other research interests include incorporating results from learning research into mathematics education policy and instruction. Her career as a mathematics educator started with six years as an 8-12 classroom teacher at The Chinquapin Prep School in Texas. She also taught elsewhere in Texas and Georgia in a variety of K-16 classrooms. Currently, she teaches methods courses for future elementary and secondary teachers.

Pat Gabriel has taught mathematics for 37 years, the last 27 at Thomas Jefferson High School for Science and Technology in Fairfax County before retiring from full-time teaching in 2012. She is currently teaching part-time at TJ and is serving as secretary of the Virginia Council of Teachers of Mathematics.

2013-2014 V²CTM Officers

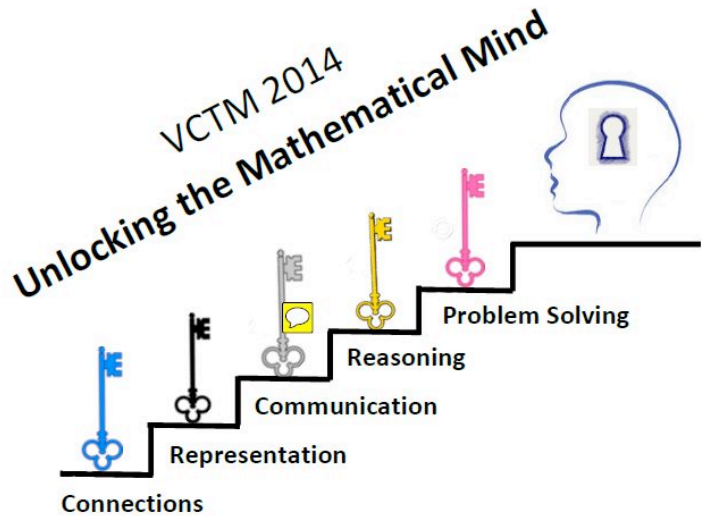
President.....	Jenny Gibson, Rockingham County Schools (jgibson@rockingham.k12.va.us)
Past President	Kyle Schultz, James Madison University (schultkt@jmu.edu)
VCTM/NCTM Representative.....	Alexis Stevens, James Madison University (stevenal@jmu.edu)
Event Planner	LouAnn Lovin, James Madison University (lovinla@jmu.edu)
Secretary.....	Geoff Estes, Harrisonburg City Schools (gestes@harrisonburg.k12.va.us)
Treasurer	Judy Phillippi, James Madison University (phillija@jmu.edu)
Newsletter Editor	Joe Hill, Bridgewater College (jhill@bridgewater.edu)
24 Challenge Coordinator	Harvey Almarode, (halmarode@gmail.com)
Board Members:	Robert Hanson, James Madison University (hansonjr@jmu.edu), Laurie Biser, Augusta County Schools, (lbiser@augusta.k12.va.us), Kara Velez, Rockingham County Schools (kvelez@rockingham.k12.va.us), Anne Loso, Harrisonburg City Schools (aloso@harrisonburg.k12.va.us), Jean Sterner, Rockingham County Public Schools (jsterner@rockingham.k12.va.us) and Wendy Chandler, Augusta County Schools (wgchandler@augusta.k12.va.us)

Did You Know?

When you join or renew your NCTM membership online our local affiliate, V²CTM, benefits financially. For each new member we receive \$5.00 and for each renewal we receive \$3.00. The online form has a place for you to select Valley of Virginia Council of Teachers of Math as your affiliate organization. So please join the national organization and designate us as the one to receive the rebate.

V²CTM to Host 2014 VCTM Conference

The 2014 Virginia Council of Teachers of Mathematics conference will be in our backyard! James Madison University will host the conference, to be held March 14 and 15. At the November 7 V²CTM meeting you will hear a call for volunteers—please be willing to help out. If you'd like to present a session, the speaker proposal is available online: <http://www.tinyurl.com/VCTM2014>. The program chairman is Kyle Schultz and the conference chairman is LouAnn Lovin. We are hoping for a huge turnout from V²CTM members at this conference.



James Madison University
March 14-15, 2014

DOE to Release 2013 SOL Tests

The Virginia Department of Education is planning to release the following spring 2013 Standards of Learning (SOL) tests in spring 2014:

- Grade 3 Mathematics
- Grade 4 Mathematics
- Grade 5 Mathematics
- Grade 6 Mathematics
- Grade 7 Mathematics
- Grade 8 Mathematics
- Algebra I
- Algebra II
- Geometry



What do you get when you divide the circumference of a pumpkin by its diameter?

Pumpkin Pi, of course!



Grant Opportunities

VCTM Grants: VCTM offers a Continuing Education Grant (application due November 1), a First Timer's Grant (application due November 29), and a Professional Development Grant (application due May 1). For more information, visit <http://www.vctm.org>

NCTM MET Grants: NCTM awards numerous grants to individual teachers who are members of NCTM. This is a great opportunity to get funding for a classroom project, to do coursework, etc. The Mathematics Education Trust (MET) channels the generosity of contributors through the creation and funding of grants, awards, honors, and other projects that support the improvement of mathematics teaching and learning. The application deadline for the next set of grants is November 8, 2013. For more information visit <http://www.nctm.org/resources/content.aspx?id=198>

DOE Provides Powerpoint Presentations, Technical Assistance

Statewide results on the spring 2012 SOL mathematics tests were analyzed to determine specific content that may have challenged students. The Department of Education then created Powerpoint presentations to provide examples of SOL content identified by this analysis. The Powerpoint presentations include sample items to further clarify the skills and knowledge included. However, these items are not SOL test items and are not meant to mimic questions used on the SOL tests. Instead, they are intended to provide mathematics educators with further insight into the concepts that challenged students statewide. You can find these presentations at this website: http://www.doe.virginia.gov/testing/sol/performance_analysis/index.shtml#math

Another useful document, the **Technical Assistance on Selected Content of the 2009 Mathematics Standards of Learning**, was also recently posted on the DOE website. It is based on comments provided to frequently asked questions received by the Virginia Department of Education regarding the 2009 Mathematics Standards of Learning. The comments are organized by content strand or course. In support of the implementation of the standards, teachers are encouraged to review comments not only from their specific grade level or course standards, but rather review the document in its entirety to gain information that can directly impact instruction and provide connections to previous and future instruction. This document is to be used in conjunction with, not in place of, the Mathematics Curriculum Framework. An important update has been made on page 14 of this document related to Algebra I SOL A.1 and A.2. View this document at:

http://www.doe.virginia.gov/instruction/mathematics/resources/mathematics_sol_technical_assistance.pdf

Upcoming Events

NCTM 2014 Annual Meeting & Exposition
New Orleans LA April 9-12, 2014

NCTM 2014 Regional Conference & Exposition
Richmond VA November 12-13, 2014
Information available at <http://www.nctm.org>

Regional 24 Tournament

Hosted by Augusta County Schools
Wilson Middle School April 9, 2014

Contact Laurie Biser (lbiser@augusta.k12.va.us) for more information

V²CTM Fall Meeting Registration

There is no paper registration for the fall conference. To register you must access the online registration at <http://v2ctm.org>. You may pay your \$5 conference fees at the door on November 7. Please complete your registration no later than November 1 so we will have an accurate dinner count.

**See you at Clymore Elementary School
on Thursday, November 7!**

V²CTM Reflection
Joe Hill, Editor
300 Flory Hall
Bridgewater College
Bridgewater VA 22812

**PLEASE SHARE THIS NEWSLETTER WITH ALL MATHEMATICS TEACHERS,
GRADES K-12**