

# The V<sup>2</sup>CTM Reflection



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THE VALLEY OF VIRGINIA COUNCIL OF TEACHERS OF MATHEMATICS

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## Fall Meeting October 26 at Skyline Middle School

The Annual Fall V<sup>2</sup>CTM Meeting will be held on Wednesday, October 26, 2016, at Skyline Middle School in Harrisonburg. The meeting will feature a keynote



presentation by Dr. Kristina Doubet, Professor, James Madison University. To get to Skyline Middle, take Interstate 81 to Exit 247 (US 33 East). Immediately get into the left lane and turn left at the first stoplight onto Linda Lane. Continue through the light and turn right when you see the school signs: Skyline Middle School adjoins Smithland Elementary School; both schools' parking lots are available. Please register online at <http://v2ctm.org/> by October 19. 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:** Anne Loso, V<sup>2</sup>CTM President

6:00 – 7:00 **Keynote Address:** *"3D Differentiation": Addressing Students' Readiness Needs, Interests, and Learning Preferences in Mathematics Instruction*, Dr. Kristina Doubet, James Madison University

7:15 – 8:00 **K-5 Sessions:**

- Open-ended Questions and Math Talks, Jackie Gulino, Harrisonburg City Schools
- Incorporating Writing and Drama in Word Problems, Sarah Lopacinski, Harrisonburg City Schools

**6-12 Sessions:**

- Rafts and Menus, Judith McNett, Harrisonburg City Schools
- Differentiation Strategies, Dr. Kristina Doubet, James Madison University

# JMU Professor to Present at Fall Conference

## Keynote Address

*"3D Differentiation": Addressing Students' Readiness Needs, Interests, and Learning Preferences in Mathematics Instruction*

Good differentiation in mathematics does not replicate tracking within the classroom, focus on fluff without substance, or resemble a 3-ring circus. Rather, good differentiation in mathematics discovers and addresses learners' needs in authentic and engaging ways. Examples from real classrooms will illustrate how discovering and attending to three dimensions of student need - readiness, interest, and learning preference - can help unlock and develop students' hidden talent, enhance motivation, and prevent children of all ages from feeling "pigeon holed" into static ability groups.

**Kristina J. Doubet** is a Professor in the Department of Middle, Secondary, and Mathematics Education at James Madison University, where she has received the College of Education's "Distinguished Teacher Award" its "Madison Scholar Award" and most recently, the "Sarah Miller Luck Endowed Professorship for Excellence in Education."

As a consultant and ASCD Faculty Member, Kristi has partnered with over 90 schools, districts, and organizations around initiatives related to differentiated instruction, *Understanding by Design*, and classroom assessment. In addition to numerous journal articles in publications such as *Educational Leadership* and *Kappan*, she has co-authored the ASCD book, *Differentiation in Middle and High School: Strategies to Engage All Learners* (with Dr. Jessica Hockett), the Corwin Press book, *The Differentiated Flipped Classroom: A Practical Guide to Digital Learning* (with Dr. Eric Carbaugh) and the AMLE book, *Smart in the Middle: Classrooms that Work for Bright Middle-Schoolers* (with Dr. Carol Tomlinson). Most recently, she has co-authored the book, *Differentiation in the Elementary Grades: Strategies to Engage and Equip all Learners*, which is due out from ASCD in Spring 2017.

Before beginning her work as a staff developer, author, and university professor, Kristi taught high school English and middle school language arts for ten years and served as an instructional coach in elementary and middle school classrooms for an additional four years. She was awarded the "Faculty Excellence Award" at her middle school and served actively as department chair and curriculum coordinator. [www.kristinadoubet.com](http://www.kristinadoubet.com)

## Harrisonburg City Advanced Learning Specialists Present Break-out Sessions

**Jackie Gulino, Sarah Lopacinski, and Judith McNett**, Advanced Learning Specialists at Keister Elementary School, Smithland Elementary School, and Skyline Middle School, respectively, will present differentiation strategies specific to their grade bands in break-out sessions following Dr. Doubet's presentation. Jackie will focus on open-ended questioning techniques and math talks as methods to engage all elementary learners. Sarah's elementary presentation will focus on ways to differentiate problems of the day and how to integrate writing, drama, and problem solving. Judith will highlight engagement and student choice through RAFTs and menus for secondary learners. Kristi Doubet will also present in the break-out session, focusing on specific strategies for secondary classrooms.

### 2016-2017 V<sup>2</sup>CTM Officers

President.....Anne Loso, Harrisonburg City Schools ([aloso@harrisonburg.k12.va.us](mailto:aloso@harrisonburg.k12.va.us))  
President-Elect .....Laurie Biser, Augusta County Schools ([lbiser@augusta.k12.va.us](mailto:lbiser@augusta.k12.va.us))  
VCTM/NCTM Representative..... Alexis Stevens, James Madison University ([stevenal@jmu.edu](mailto:stevenal@jmu.edu))  
Event Coordinator.....LouAnn Lovin, James Madison University ([lovinla@jmu.edu](mailto:lovinla@jmu.edu))  
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## V<sup>2</sup>CTM Member Highlights

V<sup>2</sup>CTM is proud to announce that **Alexis Stevens**, assistant professor of math education at James Madison University, and **John Stevens**, math teacher at Turner Ashby High School in Rockingham County, will be featured authors in the upcoming October issue of *Mathematics Teacher*, an official journal of the National Council of Teachers of Mathematics (NCTM) that is dedicated to improving secondary mathematics instruction. The couple co-wrote an article entitled “Using Mathematics to Elect the U.S. President.” Because it is the featured article, it will be open to all NCTM members, not just *Mathematics Teacher* subscribers. It will also be the topic of a Twitter Chat, a time of discussion surrounding resources and ideas related to the article. The Twitter Chat will take place on Wednesday, October 26 (the same night as our conference!) from 9:00pm-10:00pm using the hashtag #MTchat. The abstract of the article is included below.

Abstract: The U.S. Electoral College can seem confusing. However, the entire process is based on the simple, yet powerful mathematical idea of proportional reasoning. This activity helps students grapple with the historical context of the U.S. Electoral College and how it is currently used to elect the next U.S. President.

### Congratulations, Alexis and John!

V<sup>2</sup>CTM also congratulates **Eric Imbrescia**, mathematics methods instructor at James Madison University, for receiving the Presidential Award for Excellence in Mathematics and Science Teaching. Eric has been an educator for 13 years, teaching students ranging from kindergarten to college seniors. He is a former Peak View Elementary School (Rockingham County) teacher, where he spent 11 years as a third grade teacher and one year as a kindergarten teacher. The PAEMST website describes Eric as follows: “As an elementary mathematics educator, Eric prides himself on teaching in a student-centered classroom where he allows his students to build their understanding through the use of problem-solving-based learning. He encourages classroom discourse and creativity, and allows his students to build and connect their own ideas to those of their peers. He has worked with local teachers to share his approach to mathematics education and has presented at state and local conferences.”

### We’re proud of you, Eric!

## VA Board of Education Adopts New Math SOLs

On September 22, 2016, the Virginia Board of Education adopted the 2016 *Mathematics Standards of Learning* and the 2016 *Mathematics Standards of Learning Curriculum Framework*. The strike-through documents can be found here: <http://www.doe.virginia.gov/boe/meetings/2016/09-sep/agenda-items/item-d.pdf>

The final version of the 2016 *Mathematics Standards of Learning* and the 2016 *Mathematics Standards of Learning Curriculum Framework* will be posted on the Virginia Department of Education's website no later than December 31, 2016.

The implementation timeline follows:

### **2016-2017 School Year – Crosswalk between 2009 Mathematics Standards of Learning and 2016 Mathematics Standards of Learning**

- VDOE staff provides a crosswalk between the 2009 *Mathematics Standards of Learning* and the 2016 *Mathematics Standards of Learning*.
- School divisions incorporate the new standards into local written curricula for inclusion in the taught curricula during the 2017-2018 school year.

### **2017-2018 School Year – Crosswalk Year**

- 2009 *Mathematics Standards of Learning* and 2016 *Mathematics Standards of Learning* are included in the written and taught curricula.
- Spring 2018 Standards of Learning assessments measure the 2009 *Mathematics Standards of Learning* and include field test items measuring the 2016 *Mathematics Standards of Learning*.

### **2018-2019 School Year – Full-Implementation Year**

- Written and taught curricula reflect the 2016 *Mathematics Standards of Learning*.
- Standards of Learning assessments measure the 2016 *Mathematics Standards of Learning*.

According to Tina Mazzacane, Mathematics and Science Specialist, Office of Mathematics and Governor's Schools, "Grade level/course crosswalks (summaries of revisions) will be posted no later than October 31, 2016. Additional information regarding professional learning and resources will be forthcoming in the months to follow."

## Computer Adaptive SOL Testing

Beginning in Spring 2017, all online Math 3-8 SOL tests will be computer adaptive and delivered in TestNav 8. Revised SOL Testing blueprints for CAT are now available, as well as other CAT resources:

[http://www.doe.virginia.gov/testing/test\\_administration/cat/index.shtml](http://www.doe.virginia.gov/testing/test_administration/cat/index.shtml).

[Practice item sets](#) are now available in TestNav 8 for Grades 3-8, Algebra I, Algebra II and Geometry. These practice items will serve as an introduction to the new online navigation, online tools, item formatting, and overall functionality and appearance of TestNav 8. Teachers should use the [Guided Practice Suggestions](#) that are available for each practice item set. The *Guided Practice Suggestions* documents provide specific item information (item type, SOL, and answer) for each question in the practice item sets and provide specific information for teachers as they guide students through the practice items. Following the suggestions in the guides will ensure that students are exposed to the different tools within TestNav 8, the different functionality features of TEI, and common messages that may appear as students complete their tests.

## Math Leadership Changes at VDOE

Michael Bolling, former Director, Office of Mathematics and Governor's Schools at the Virginia Department of Education, resigned his position, effective September 6, 2016, to begin his new position as the Executive Director of the Region I Innovative High School known as [CodeRVA](#) High School. With Michael's guidance over the past seven years, VDOE has worked toward quality mathematics instruction for all students through engagement in the learning process, with a focus on process goals. Under Michael's direction, VDOE produced a multitude of fantastic mathematics professional development resources:

[http://www.doe.virginia.gov/instruction/mathematics/professional\\_development/index.shtml](http://www.doe.virginia.gov/instruction/mathematics/professional_development/index.shtml)

and other instructional resources:

[http://www.doe.virginia.gov/testing/sol/standards\\_docs/mathematics/index.shtml](http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/index.shtml).

He will be greatly missed, but he leaves us with a strong mathematics team:

- Tina Mazzacane, [Tina.Mazzacane@doe.virginia.gov](mailto:Tina.Mazzacane@doe.virginia.gov)
- Debbie Delozier, [Debra.Delozier@doe.virginia.gov](mailto:Debra.Delozier@doe.virginia.gov)
- Christa Southall, [Christa.Southall@doe.virginia.gov](mailto:Christa.Southall@doe.virginia.gov)

## Upcoming Events

### **NCTM 2016 Regional Conference and Exposition**

Philadelphia, October 31-November 2, 2016

Registration information is available at <http://www.nctm.org/philadelphiareg/>

### **VCTM Annual Conference 2017**

A Community of Heroes: Educate, Encourage, Inspire

James Madison University, March 10-11, 2017

Registration information is available at <http://www.vctm.org/VCTM17>

Speaker proposals now being accepted through December 17, 2016

### **NCTM 2017 Annual Meeting & Exposition**

San Antonio, April 5-8, 2017

Information available at <http://www.nctm.org>

Early-bird Registration through February 24, 2017

### **Regional 24 Challenge Tournament**

Wilson Middle School, Fishersville, VA

6:00pm

Thursday, April 20, 2017

Contact Laurie Biser ([lbiser@augusta.k12.va.us](mailto:lbiser@augusta.k12.va.us)) for information.

## **V<sup>2</sup>CTM Fall 2016 Meeting Registration**

There is no paper registration for the fall conference. To register, you must access the online registration link at <http://v2ctm.org/>. You may pay your \$5 conference fees at the door on October 26. Please complete your registration no later than October 19, so we will have an accurate dinner count.

# **See you at Skyline Middle School on Wednesday, October 26!**

V<sup>2</sup>CTM Reflection  
Jenny Gibson, Editor  
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**PLEASE SHARE THIS NEWSLETTER WITH ALL MATHEMATICS TEACHERS,  
GRADES K-12**