



The Greater Richmond Council of Teachers
of Mathematics presents

The GRCTM
2009 Spring Conference
March 26, 2009
Hanover High School



What are the Chances? Mathematics in the Real World

featuring
Andrew Freiden
NBC 12 News Meteorologist

Conference Program Schedule

4:30 – 5:00 PM	Registration	Hanover H.S. Lobby
4:30 – 5:30 PM	Refreshments	Cafeteria
4:30-7:30 PM	Exhibits	1st Floor Hallway
5:00 – 5:45 PM	Session 1	Rooms 101-312
5:55 – 6:05 PM	GRCTM Business Meeting <i>Cheryl Adeyemi, GRCTM President</i>	Auditorium
6:05 – 6:35 PM	Keynote Address <i>Andrew Freiden, NBC12 Meteorologist</i>	Auditorium
	“What are the Chances of Another Snow Day?” Andrew shares his insights on weather and mathematics.	
6:45 – 7:30 PM	Session 2	Rooms 101-312
7:35 – 8:15 PM	Dinner and Door Prizes	Cafeteria

5:00 – 5:45 PM SESSION 1 WORKSHOPS

NOTE: Sessions are listed in order of their beginning grade level.

Room 302

General Interest

Teaching Geometry with Experiments and Demonstrations

Speaker:

Dr. Art Stoner, A+ Compass

Dissection puzzles and other manipulatives to explore basic concepts in geometry. Includes properties of polygons and volume. (Will be repeated in Session 2)

Room 303

General Interest

Keeping It Real: Math in Their World

Speaker:

Sherrard (Sherry) Gardner, Linwood Holton Elementary School

Presenter will share ideas and activities that connect the math students learn to the lives they live. Participants will also be asked to share ideas.

Room 305**Level: K – 2** **Picture Pie**Speakers: Joanne Sahms, Grange Hall Elementary
Amber Saunders

Come see hands-on fraction lesson ideas inspired by Ed Emberley’s book, [Picture Pie!](#)

Room 101**Level: K – 3** **Using Digital Manipulatives to Explore Number Sense****Concepts**

Speaker: Pat Cuomo, Chesterfield County Schools

Come join me in the computer lab as we explore the power of digital manipulatives in the K-3 setting. Walk away with ready to use classroom ideas. (Will be repeated in Session 2.)

Room 307**Level: K – 5** **Huff, Puff, and Blow Them Away: Math Night and Beyond (Part 1)**Speakers: Vickie Bohidar, Hopkins Elementary
Kim Bender, Chesterfield County
Kathryn Munson, Chesterfield County

Add a fairy tale twist to hands-on stations that encourage problem solving. Activities can be incorporated into family math night, learning centers, and assessments. (Part 2 of this workshop will occur during Session 2.)

Room 306**Level: 2 – 5** **It’s Likely Probability Rocks and Graphing Grows**Speakers: Kristen Eberle, Seven Pines Elementary
Christy Deonanan, G. H. Reid Elementary

This workshop will focus on probability activities and graphing results.

Room 311**Level: 6 - 9** **Seeing the Numbers**

Speaker: Richard E. Peterson, Manchester High School

The human box plot, finding and understanding the box and whisker plot graph. Also including a quick exercise to strengthen adding and subtracting positive and negative integers. (Will be repeated in Session 2.)

Room 310**Level: 6 - 8** **Spring Your Way Through the SOL Tests**Presenters: Kristine Vester, MathScience Innovation Center
Carrie Persing, MathScience Innovation Center

Come and see different activities to help you review for the Spring SOL tests. Helps students have fun while reviewing for the “almighty tests”. Door prizes will be given.

Room 308**Level: 6 – 8** **Pattern Searching, Generalizing, Making Sense of Mathematics**

Speaker: Ena Gross, VCU

Ideas to help your students search for patterns and relationships, make conjectures and generalizations, so mathematics makes sense.

Room 312**Level: 6 – 12** **Magic Squares**Speakers: Michael Weisbrod, Oak Knoll Middle School
Erin Degnan, Oak Knoll Middle School

Using squares, we will fold them to create sides of a cube. Folding them into each other, we create cubes for decoration, gifts, and geometry lessons. Different sizes possible! (Will be repeated in session 2)

Room 301**Level: 7 - 10** **Using Free Online Resources for Algebra I Classes**

Speaker: Megan Keaney, Hanover High School

Teachers will see how to implement free online resources in their Algebra I classes, including the National Library of Virtual Manipulatives and the hotmath.com slope-intercept game “Algebra vs. Cockroaches.” (Will be repeated in session 2.)

Room 102**Level: 8 - 11** **Circles—Tangents, Secants, Chords Oh No!**

Speaker: Lorraine Kilpatrick, Chesterfield County Schools

Tangents, secants, chords oh no! I’ll show you how to do it in 2 days ‘cause of snow. SOLs made easy. (Will be repeated in session 2.)

Room 307
Level: K – 5 **Huff, Puff, and Blow Them Away: Math Night and Beyond (Part 2)**
Speakers: Vickie Bohidar, Hopkins Elementary
Kim Bender, Chesterfield County
Kathryn Munson, Chesterfield County

Participate in hands-on stations that encourage problem solving through content strands. Experience a fairy tale and nursery rhyme-themed math night and talk with presenters about how to have a successful math night at your school.

Room 306
Level: K – 5 **Say It to Play It**
Speakers: Patti Schneider, Kersey Creek Elementary
Laura Domalik, Henry Clay Elementary
Stephanie Kreinen, Kersey Creek Elementary

Games and hands-on activities to promote number sense. Focus will be on playing the games and the importance of the discourse that follows after the game.

Room 308
Level: 3 – 5 **Fractions and Decimals: Going From the Concrete to the Abstract**
Speaker: Carolyn Bell Doyle, Ginter Park Elementary

The presenter will share effective strategies and materials that teachers can use to help students develop conceptual understandings of fractions and decimals.

Room 309
Level: 4 – 7 **T. V. Math Review**
Speakers: Dr. Tommye R. Finley, Falling Creek Middle School
Janetta Stankovich, Falling Creek Middle School

Come learn how T.V. shows can be used to review, vocabulary, metric, U.S. customary, and more.

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Room 108
Level: 8 - 12 **Fun With Geometry—Ceiling Tile Tessellations**
Speaker: Stephanie Jordan, Stonewall Jackson Middle School
(GRCTM Professional Development Grant Winner)

Learn the basics of making tessellations on ceiling tiles for display in your classroom! This is a great activity for a Geometry class after SOLs.

Room 107
Level: 9 and up, General Interest Session: Review Games! (Without the Commercials)

Speakers: Karl Lipka, Hanover High School
Marianne Veitch, Hanover High School

Learn new ideas for games to play in your classroom to review for any math concept! Make it fun!

Room 105

Level: 9 – 12 Benefits of & Reflections on Our Newest Math Course, Algebra, Functions, and Data Analysis

Speakers: Bain Cameron, Park View High School
Michael Hunt, Prentice Hall

In 2007, VDOE approved a new mathematics course for the high school level. Early responses indicate a “win-win” situation for students and schools.

7:40 – 8:15 Dinner and Door Prizes

Meal prepared by *Noodles and Company* in Mechanicsville.

Japanese Pan Noodles

Pesto Cavatappi

Penne Rosa

Wisconsin Mac and Cheese

Mushroom Stroganoff

Assorted Meats (Choose your own)--Chicken and Beef

Tossed Green Salad

Rice Krispy Treats

Thanks to the following vendors for their door prize contributions:

A+ Compass

Educators Outlet

First in Math, Northpoint Horizons, Comprehension Publishing

Macmillan/McGraw-Hill

NCTM

NEA Member Benefits

SRA and Wright Group

Texas Instruments

VA SOL Coach and Options Publishing

West End Media

Don't forget about the NCTM Annual Meeting and Exposition in Washington, DC from April 22-25, 2009!

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John Travis; Elizabeth Walter

Special Thanks to our Spring Conference Hosts:

George Sadler, Hanover High School Principal

Stephanie Shea, Hanover High School Assistant Principal

Vandi Hodges, Hanover County Mathematics Coordinator

Kelly Pocta, Hanover High School Math Coach

Hanover High School Honor Society Students

An Extra Special Thanks goes to Andrew Freiden, our keynote, for taking time to share his mathematical insights with us.

And finally, thank you to all of our wonderful presenters, who provided an outstanding program for the conference.

Without you, this event would not have been possible!