

2008-2009 List of Outreach Workshops

HS

#1

Intro to the Smartboard

Presenter: Carmen Archetto

carchetto@bergenfield.org

Grades 9 – 12.

This is an introductory lesson to using the Smartboard and the Smart notebook. Participants will receive a CD of lessons.

#2

Making Use of a SMART™ Board in the Mathematics Classroom

Presenter: Linda Treilman

mathtreils@verizon.net

Grades 9-12

The focus will be on topics in Algebra I, II, and Trigonometry. Tips and tricks and many ideas to add a visual representation to the mathematics you are teaching. Make use of new features in version 10. Learn how to use new tools in the new Activity Toolkit, then work on a lesson of your choice and end the session by sharing ideas.

#3

Making The Most with the Graphing Calculators that You Have

Presenter: Fred Decovsky

FDecovsky@aol.com

Grades 6-12

See how standards based lessons using your TI73s or TI83/84s can support effective learning and problem solving, increase student engagement and make the mathematics taught more meaningful.

#4

Geometer's Sketchpad

Presenter: Dianna Sopala

Luvteachingmath2@aol.com

Grades 8-12

While using Geometer's Sketchpad, teachers will explore geometry theorems and algebra concepts. Workshops can be designed for beginners or intermediate users.

#5

Introducing TI-Nspire

Presenter: John Hanna

jehanna@optonline.net

Grades 9-12

The new TI-Nspire technology allows students to view and explore mathematics using different representations of a problem, thus developing a deeper understanding of mathematical concepts. Check it out NOW.

#6

How to Improve SAT Scores

Presenter: Angelo DeMattia

adema@comcast.net

Grades 9-12

Do you need a bank of problems that will prepare students for the SAT? This session will help you to understand that bank, arranged according to the various topics – numerical operations (percent, etc.) algebra, geometry, data analysis, logic, etc. Participants will also experience the proper use of graphing calculators to help solidify that understanding of the related Big Ideas and connections.

#7

Big Ideas in Probability/Statistics

Presenter: Angelo DeMattia

adema@comcast.net

Grades 9-12

Do you need a bank of fun activities that get at the Big Ideas of Probability and Data Analysis as well as create unforgettable connections within and outside the traditional math content? This session will help you to build that bank. Since Standard 4 has increased in worldwide relevance [It now represents 30% of the score value on the HSPA] more connections to all math topics have become "standardized" in curricula materials. In addition to the use of hands-on materials, participants will also experience graphing calculators to help solidify that understanding of the Big Ideas and the related connections.

#8

Beyond St. Ives: Explorations in Mathematics Poetry

Presenter: John E. Hammett III, Ed.D.

jhammett@spc.edu

Grade Bands: 9-12

Participants will explore a variety of mathematical poetry, including literary artwork, mnemonic devices, rhyming riddles, and poem problems. After reviewing selected examples, participants will be able to compose, either individually or collectively, at least one math poem and construct a classroom activity where their students can do the same.

#9

Explorations in Journal Writing to Learn Mathematics & Statistics

Presenter: John E. Hammett III, Ed.D.

jhammett@spc.edu

Grade Band: 9-12

Participants will compare, contrast, and model at least three different journal writing formats which readily assess the learning and teaching of math and statistics; these formats include the (1) learning journal (*i.e.*, supplemental notebook containing unanswered questions and personal reflections), (2) homework journal (*i.e.*, annotated problem set with commentary), and (3) test journal (*i.e.*, corrected exam papers with explanations). Participants will be able to adapt any or all of the journal formats discussed for periodic or regular use immediately in their own classrooms.

#10

How to Improve HSPA Scores

Presenter: Dianna Sopala

luvteachingmath2@aol.com

Grades 9-12

Do your students know how to grade the HSPA open-ended questions? Do you need a bank of problems that will prepare students for the SAT? This session will help you to understand how the HSPA open-ended questions are graded and how they should be answered. Other problems in each of the clusters will be provided and discussed. Participants will explore different methods for presenting some of the HSPA topics, which are geared for lower functioning students.

MS

#1

Graphic Organizers for the Mathematics Classroom

Presenter: Linda Treilman

mathtreils@verizon.net

Grades 6-12

If you have a SMART™ Board (or other Smart hardware) you can get a **free** copy of SMART Ideas Concept Mapping Software: Once you have registered your hardware product, SMART will e-mail you a serial number that enables you to download a **free**, single license of [SMART Ideas concept-mapping software](#). You will receive one license for each SMART product you purchase (some exclusions may apply). Learn to use this software (similar to Inspiration or Kidspiration). Ideal for creating tree diagrams and a SMART™ Board is not needed to make use of this program. Samples of graphic organizers and examples of uses in a math classroom will be shown. Then work on a lesson of your own choosing to become familiar with the features of this program.

#2

Making Use of a SMART™ Board in the Mathematics Classroom

Presenter: Linda Treilman

mathtreils@verizon.net

Grades 6-8

The focus will be on topics in middle school mathematics programs. A SMART™ Board enlivens the classroom and engages middle schoolers in learning mathematics. Many ideas to add a visual representation to the mathematics you are teaching. See many of the features in version 10. Learn how to use new tools in the new Activity Toolkit, then try out the new features and work on a lesson of your choice.

#3

Title: Making The Most with the Graphing Calculators that You Have

Presenter: Fred Decovsky

FDecovsky@aol.com

Grades: 6-12

See how standards based lessons using your TI73s or TI83/84s can support effective learning and problem solving, increase student engagement and make the mathematics taught more meaningful.

#4

Developing Thinking for the NJASK

Presenter: Barbara VanDenBerg
bvandenber@optonline.net

Grades 6-8

The emphasis of this workshop is to discuss ideas that will help ideas prepare your students to answer questions on NJASK. Hear the latest news about the test and practice problems designed for student success.

#5

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jhammett@spc.edu

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adema@comcast.net

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#7

“HANDS ON” with Math

Let's Share Engaging Activities for Middle School Students

Presenter: Beth Benjamin

benjamin@mail.cnboe.org

A variety of lessons will be presented that actively involve students and get them excited about math! (Topics may include probability, Fibonacci numbers and other math patterns, special holiday lessons, and ideas for student projects)

*** *Please bring along your favorite lessons/activities to share!* ***

Gr. 3-6

#1

Problems, Problems, Problems

Presenter: Marian Palumbo

mpalumbo@bernardsboe.com

Grade Level 3 - 6

During the busy school day most teachers do not have an opportunity to work with one another. The participants in this workshop will begin by solving a variety of word problems, and then discuss various strategies used to solve the problems as well as strategies that students could use to solve the problems.

#2

Using POST ITS™ as a Problem Solving Strategy

Presenter: Barbara VanDenBerg

bvandenber@optonline.net

Grades 2- 6 Students score better on tests when they understand the concept. Post Its™ are a powerful Problem Solving tool. This inexpensive and easy to find manipulative makes math concepts come to life! Almost any concept can be explained visually using Post It™ squares.

#3

Differentiated Instruction - Different Instructional Strategies not Different Lessons

Presenter: Joan J. Vas, Kean University

joanvas@optonline.net

Grades 3-5

This session will focus on strategies to quickly determine the range of ability within a group of students and how to differentiate content, process and assessment. Participants will take with them a handout of lessons ready to use the next day.

#4

Successful Strategies for Preparing for NJ ASK Assessments

Presenter: Joan J. Vas, Kean University

joanvas@optonline.net

Grades 3-5

This session will focus on strategies that address standards, build retention and maximize potential for ALL children. Participants will take with them a comprehensive handout, ready to use the next day.

#5

Measuring Up - Area, Perimeter, Volume

Presenter: Joan J. Vas, Kean University

joanvas@optonline.net

Grades 3-5

This session will focus on strategies to develop a sense of measurement, area, perimeter and volume in problem solving. Participants will take with them a handout of lessons, ready to use the next day.

#6

You Be The Judge—

Presenter: Ellen Adelson

Ellendee1@comcast.net

Grades 3-5

Empower your students to be successful problem solvers. In this session we will explore the use of rubrics to strengthen students' extended constructed responses. Participants will have the opportunity to score student work using set rubrics. Bring them back to your students so that they too can be the "Judges."

#7

Games, Games, Games

Presenter: Ellen Adelson

Ellendee1@concast.net

Grades 1-2 or grade 3- 5 (your choice)

This session will assist you in differentiating instruction. You will be offered a variety of hands-on games and math center activities that will promote higher-level thinking while making your math class come alive. Handouts will be provided for immediate implementation in your classrooms.