



**Spring Meeting**

**April 23 & 24, 2010**

# Program

**Friday, April 23, 2010**

**10:00AM – 10:30AM**

**OhioMATYC Executive Committee Meeting**

**11:00AM – 12:00PM**

**Registration & Lunch**

**12:00PM – 12:45PM**

**Mary Ann Hovis and Michelle Younker**  
Rhodes State College

***Quarters to Semesters Sharing Session***

This time will be used for an open discussion about the conversion process. Faculty from institutions who have converted or who are in the process of converting are invited to share their experiences. Bring questions and share ideas about the process. What worked? What didn't? What are other institutions planning? This session promises to be dynamic and informative!

**12:50PM – 1:35PM**

**Irina Boyadzhiev**  
The Ohio State University

***Using GeoGebra Mathlets for Visualization and Guided Discovery Learning of Mathematics***

Winner of the 2009 Microsoft Education Award, GeoGebra is free, user-friendly software for learning and teaching mathematics through experimenting with mathematical concepts. This presentation will start with an overview of the system, followed by a demonstration of a number of classroom algebra, geometry and calculus examples.

**1:40PM – 2:25PM**

**Nancy Sattler**  
Terra Community College

***Natives vs. Aliens in the Digital World***

Are you a digital native, a digital immigrant, or a digital alien? Find out by attending this session. The presenter will offer strategies (e.g. the one-minute lecture, interactive collaboration/discussion, cooperative learning, and use of YouTube) to enable digital aliens to create a learning environment for digital natives that will engage students in their own learning. Participants will be asked to share effective strategies they have used in their classroom.

**2:25PM – 2:40PM**

**Break**

**2:40PM – 3:25PM**

**Ken Huffman**

Riverside High School/Lake Erie College

***Mathematics: A High School Perspective***

This presentation focuses on reform efforts in high schools and in the teaching of mathematics. The transition from K-12 to two-year and four-year colleges and universities will be discussed. Attendees will be encouraged to share their perspectives about the direction of mathematics education.

**3:30PM – 4:15PM**

**Heather Bubnick**

Lorain County Community College

***How My Office Became a Recording Studio***

I will explain how I use Camtasia to produce video lessons and how that is transforming the way I teach.

**4:20PM – 5:05PM**

**Victoria Lackey**

Colubus State Community College

***Designing Problems that Assess Understanding of Mathematical Procedure and Language***

Most mathematics problems are focused on *doing* a procedure in order to produce the *answer*. Few problems are concentrated on the procedure. Even fewer are designed to promote the understanding of mathematical language. I believe that procedure and language exercises promote independent learning and hence should be an integral part of mathematics education.

**5:10PM – 6:00PM**

**OhioMATYC Business Meeting**

**6:00PM – 7:00PM**

**Social Hour**

## Saturday, April 24, 2010

7:45AM – 8:30AM

**Registration & Continental Breakfast**

8:30AM – 8:45AM

**Denise Johansen**

University of Cincinnati – College of Applied Science

***Activities for Recursion/Inductive Reasoning***

Participants will make a fractal “pop-up” page and explore its connections and applications to the Tower of Hanoi puzzle.

8:50AM – 9:35AM

**Aaron Altose**

Cuyahoga Community College

***Promoting Independent Learning with Pre-Lecture Assignments and YouTube Videos***

Some students can develop a dependency on their instructor to the point that their out-of-class learning decreases or even ceases altogether. This presentation explores effective techniques that promote independent learning among developmental math students. Information for making your own quick and easy YouTube videos is included!

9:40AM – 9:55AM

**Enyinda Onunwor**

Stark State College

***Cyber Surfing: A Mathematics Tour***

A guide to teaching mathematics online. This talk will have a focus on discussion boards/forums.

9:55AM – 10:10AM

**Break**

10:10AM – 10:55AM

**Sandra Franz and Marie Hipple**

University of Cincinnati – College of Applied Science

***“Tricks of the Trade”***

A variety of techniques and helpful hints to help students remember key ideas will be shared. The techniques will cover topics from Developmental math through Calculus. Most of the techniques shown will be very short and easy to incorporate into a 50 minute class.

**11:00AM – 11:15AM**

**Virginia Beetz**  
University of Cincinnati

***Using “Guided Reading” Notes***

One of the best practices I have used in my classes is “Guided Reading” worksheets for my students. These worksheets are great as a homework assignment following a test, or posted online for a snow day. The next day’s class is much more productive because students have an expectation of what’s coming. Copies of “Guided Reading” worksheets will be made available to the audience. Really quick to prepare, too!

**11:20AM – 12:05PM**

**Blake Regan**  
Ohio University

***Using NCTM Standards to Help Developmental Mathematics Students Achieve Proficiency***

Although the NCTM Standards were developed for k-12 classrooms, they are easily adapted to meet the requirements of the college curricula. Through carefully designed tasks and activities, students are required to think deeply and reflect upon their mathematical decisions; helping students overcome mathematical anxiety and work toward mathematical proficiency.

**12:10PM – 12:25PM**

**Andrea Faber and Larisa Russell**  
Rhodes State College

***Our Trial of MyMathLab in our Developmental Course***

With all of the recent talks and papers regarding utilizing computer programs to help students master the skills needed in developmental mathematics, we decided we needed to try out some of these programs in a few sample classes prior to implementing overall. We implemented MyMathLab for graded homework in two of our lowest developmental classes. We would like to share this experience with you.

**12:25PM – 12:30PM**

**Closing Remarks**