



The Ohio Council of Teachers of Mathematics

NEWSLETTER

March 2009

No. 96 +n

Emerging Leaders Conference April 18 – Registration deadline approaching!

Pre-service teachers and teachers with up to five years in the classroom are invited to take advantage of this fantastic opportunity to interact with key mathematics leaders in Ohio and with each other.

- Attendees will participate in leadership development activities with leading Ohio mathematics educators and will become familiar with mathematics professional activities and opportunities in Ohio.
- Sessions will also include opportunities to discuss local issues and strategies for promoting quality mathematics teaching and learning in classrooms, schools, and districts.
- Opportunities for collaboration beyond the actual conference are planned as well.
- Each participant will receive leadership materials, an OCTM gift, and a certificate of attendance for 5.5 contact hours.
- Participating organizations include OCTM, the Ohio Department of Education, the Ohio Resource Center, the Ohio Mathematics and Science Coalition, Sheridan Worldwide, Texas Instruments, and Pearson.

Registrations are due by March 31! Veteran educators are encouraged to nominate emerging leaders. [see p. 4 & 5 for agenda and registration form]

Board seeking to create Advocacy Coordinator position

Since OCTM's first strategic priority over the next several years is to promote positive change in mathematics education in Ohio, we are taking a number of steps to become more proactive politically at the state level. As such, the board would like to appoint a person to coordinate these activities for the organization on an ongoing basis. This person would be responsible for maintaining an awareness of pending legislation and other issues, for communicating these issues to the OCTM board, and for initiating communication on behalf of the board with state leaders. If you have an interest in serving in this position, please contact Kim Yoak at kjyoak@gmail.com.

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The Prime Importance of Collaborative, Reflective, Professional Judgment (President's Message)

-Kim Yoak, President

Do you feel that you have enough time and opportunity to reflect on instruction with your colleagues? The more I talk to teachers and work with teachers, the more I find that this element of professional growth is often *severely lacking*.

Teachers naturally have questions about how students come to understand mathematical ideas and how we can support each student in his or her learning. A great challenge for teachers is that, along with personal experience and insight, *we must sort through a great deal of information and expectations* regarding learning that come directly from our schools, policy-makers, and researchers and more indirectly through the media and the public. We are often also learning new mathematical ideas as we teach, which can add an extra challenge to supporting students effectively.

Teachers really do have a great deal of expertise to share with each other

Discussing our questions and the myriad ideas that inform our instruction is so beneficial because we can genuinely relate to similar experiences in others' classrooms. *Teachers really do have a great deal of expertise to share with each other*, and that expertise can multiply when new ideas emerge from these discussions. We cannot allow this point to be forgotten! In addition, in trying to help one another to answer questions about students' learning, mathematics content and pedagogy naturally become a focus for conversation and perhaps further exploration. *The best teachers are also lifelong learners.*

What if this time is used unproductively? It can be the case that these discussions can turn more toward venting, and we should be careful to ensure that our natural frustrations do not overtake the powerful learning and optimism that can result from a discussion in which we truly seek answers to questions about how students learn. *Establishing a question or goal at the beginning of each session* can help us stay on track.

Unfortunately, it seems that often those who might be able to provide this time and opportunity either feel too constrained (financially or logistically) to do so or feel that this time is not altogether critical for teachers to have. I applaud the school leaders who do find ways to provide these experiences! *We as educators must continue to press for this time together*, as it is a significant, and, I would argue, *necessary* means of growing as professionals together with the purpose of improving our students' learning.

In the fall, OCTM will be forming small groups of teachers to provide the time and opportunity for reflective, professional discussions, some in person and some via the phone and/or the internet! Watch for more information in future communications – I encourage you to join a group of teachers who share your interest in a particular question!

In the meantime, I encourage you to find one colleague with whom you can reflect and learn on a regular basis – it is quite empowering, and it can be fun!

How are you finding ways to have collaborative, reflective conversations? Share your ideas with me at kjyoak@gmail.com, and I'll share them with the membership!

OCTM NEWSLETTER

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513-967-1026



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<http://www.ohioctm.org>

Change of address information for
all OCTM communication to:
Sister M. Theresa Sharp, S.N.D.
OCTM Membership Secretary
13000 Auburn Road
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tsharp@sdec.org

Quantitative Literacy Across the Curriculum – Topic of Recent Conference

The Ohio Mathematics and Science Coalition, with support from the Ohio Resource Center and COSI Columbus, sponsored a meeting for Ohio education leaders on Friday, February 13 to begin focused, statewide, P-16 discussions about helping all students to become quantitatively literate. The keynote speaker was Dr. Bernie Madison (University of Arkansas), a mathematician who has spent much of his career studying and promoting quantitative literacy for students and adults. Panelists included Ohioans from business, industry, law, and education, and each panelist spoke about the importance of quantitative literacy in his or her field. Attendees were asked to provide input and questions for future work. A follow-up conference is planned on May 1 at COSI Columbus; visit <http://www.ohiomsc.org> for more information.

PUZZLE CORNER

- Duane Bollenbacher

In the January 2009 issue (No. 95 + n), this BONUS problem was given:

BONUS Do you notice that all the abundant numbers you just found are EVEN? Is there an ODD ABUNDANT number? If so, can you find it? If not, can you prove that one does not exist? (Answer will appear in the next OCTM NEWSLETTER.)

Here is the ANSWER: The first (are there others?) odd abundant number is 945 ($1 + 3 + 5 + 7 + 9 + 15 + 21 + 27 + 35 + 45 + 63 + 105 + 135 + 189 + 315 = 975$).

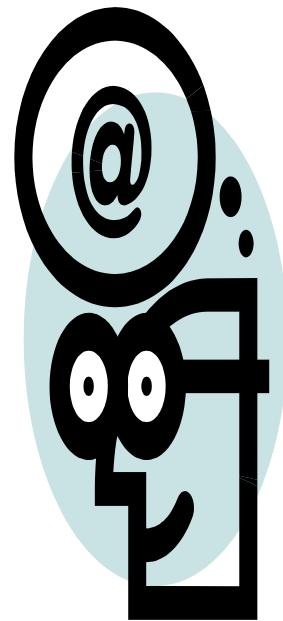
Level 1: I have seven coins. Their value is 60 cents. What are those coins? List all possibilities.

Level 2: In a scale drawing 1 in. = 12 ft.

- How many feet are represented by $6 \frac{1}{2}$ inches?
- How many inches does it take to represent $6 \frac{1}{2}$ yards?

Level 3: If $\log_2[\log_3(\log_4 b)] = \log_4[\log_3(\log_2 a)] = 0$, find the ratio of a to b.

[answers on p. 13]



Emerging Leaders Conference for Ohio Mathematics Educators
Sponsored by the Ohio Council of Teachers of Mathematics

***** Detailed agenda announced! *****

- 9:30 Registration (starting at 9:00), networking and refreshments
- 9:45 Introductions/Setting a course
- 9:55 How does **OCTM** serve teachers?
(presentation by Kim Yoak, OCTM president; table discussions*)
- 10:25 Thoughts on leadership (part I) – OCTM board members
- 10:35 How does the **Ohio Department of Education** serve teachers?
(presentation by Vicky Kirschner, mathematics consultant, ODE;
table discussions*)
- 11:05 Break
- 11:15 Thoughts on leadership (part II) – OCTM board members
- 11:25 How can **college students** become involved in the profession?
(presentation by Marissa Blewitt, OUCTM president; table discussions*)
- 11:50 Sharing out from morning table discussions
- 12:10 Lunch and networking
- 12:50 How does the **Ohio Mathematics and Science Coalition** use partnerships to align mathematics education efforts across the state? (presentation by George Viebranz, Executive Director, OMSC; table discussions*)
- 1:20 Thoughts on leadership (part III) – OCTM board members
- 1:30 How does the **Ohio Resource Center** serve teachers?
(presentation by Mike Mikusa, Mathematics Review Board Chair, ORC;
table discussions*)
- 2:00 Break
- 2:10 Sharing out from afternoon table discussions
- 2:30 Thoughts on leadership (part IV) – OCTM board members
- 2:40 Goalsetting and wrap up (evaluations and door prizes)
- 3:00 Adjournment

*During table discussions, participants will be asked to discuss how each organization can better serve Ohio teachers and how new teachers can become involved.

We are pleased to announce that **Sheridan Worldwide** will be exhibiting and selling classroom items throughout the day, and participants will be able to shop before and after the conference, as well as during lunch and breaks! Visit their website at <http://www.classroomgoodies.com>!

Door prizes will also be provided by Randy Miller with **Texas Instruments** and Elizabeth Boring with **Pearson Education**! Visit <http://education.ti.com> and <http://www.pearsonschool.com>!

Registration form
**Emerging Leaders Conference for Ohio Mathematics
Educators**

April 18, 2009

Columbus, OH – Ohio Dominican University

Sponsored by the Ohio Council of Teachers of Mathematics

Applicant's name _____ E-mail _____

Phone number _____ Check one: Home _____ Work _____

Address _____

Pre-service teacher in my _____ year of college
Practicing teacher with _____ years of experience (this year included) (Complete the appropriate line)

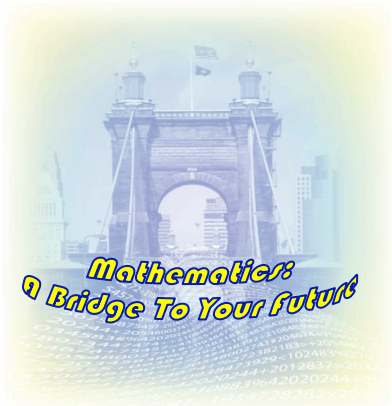
Grade band of interest: PK-2 _____ 3-5 _____ 6-8 _____ 9-12 _____

Institution or OCTM affiliate represented _____

Nominated by _____ E-mail _____

Tell us a little about yourself – what are your special interests in mathematics education? What questions do you have about mathematics education in Ohio? Have you had any opportunities to serve as a leader?

*Please return this form to Caroline Borrow at 21149 Sydenham Road; Shaker Heights, OH 44122 by **March 31, 2009 (with payment)**. Participants will receive confirmation when this form is received.*



Ohio Council of Teachers of Mathematics 59th Annual Conference November 12-14, 2009

Don't miss it!

Thursday Highlights:

- Former NCTM President, Cathy Seeley
 - Games Extravaganza
- #### Friday Highlights:
- Dr. Jeff Wanko, Preservice Teacher session
 - OCTM Awards Reception

Saturday Closing Event:

- Calculus: The Musical
- More activities and events for preservice and new teachers are being planned.

All this and more for just \$65* registration fee

*OCTM member price for the full conference

Making Summer Plans? Become a Teacher Coach at Aspire.

Consider mentoring beginning math teachers at Hathaway Brown School's Aspire Program this summer. You'll coach, observe, and provide feedback to three college students teaching middle school math classes and electives here. Collaborate with 30 others—a team consisting of college students, high school students, and experienced teachers—to create a place where girls develop as learners, leaders, and decision makers.

About Aspire: Since 2002, Aspire has tapped the leadership of girls from under-resourced schools in the Cleveland-area, helping them expand their educational opportunities. Aspire also cultivates the teaching talent in high school and college students whose new ideas may very well change our schools.

To Apply: The program runs from June 18 - July 31, 2009. Candidates must be available to work Monday-Thursday 8:15 am to 4:15 pm. The position has a summer stipend of \$3000. Additional details about the directing teacher role are available from Koyen Shah, kshah@hb.edu.

Change-makers, hope-bringers, and insight-havers preferred.

We invite you to visit us to take a closer look or to pass the information along to others whom you feel would be interested. Feel free to be in touch with questions. We look forward to hearing from you.

Cammy Howe Dubie '88 and Koyen Parikh Shah, Directors The Aspire Program, Hathaway Brown School, 19600 North Park Boulevard, Shaker Heights, Ohio 44122, 216-320-8776 (phone) aspire@hb.edu www.hb.edu/aspire.

T3 Regional Conference

OhioMATYC (Ohio Math association of Two Year Colleges) is hosting a regional conference for Teachers Teaching with Technology (T³) this April 17th – 18th in Cincinnati, Ohio. The conference is designed to help educators at all grade levels integrate TI technology into their classrooms. The conference web site, www.uc.edu/cas/mp/t3/, includes a tentative program, registration information, driving directions, accommodations, and contact information. The conference is reasonably priced at \$40 for Friday and Saturday, \$35 for Saturday only, and free to pre-service teachers.

OCTM Individual Membership Form

Name:	
Address:*	
<i>*College students: Please provide your permanent address.</i>	
City:	
State:	Zip:
SS#: XXX-XX-____ (last four digits)	
Home Phone:	Work Phone:
E-mail:	
OCTM will soon begin to offer the quarterly newsletter by e-mail to members. Please check the method by which you prefer to receive the newsletter at that time: <input type="checkbox"/> E-mail <input type="checkbox"/> Regular mail	
Employed by:	
Position:	
Grade Level(s):	
Please Check:	
<input type="checkbox"/> Male <input type="checkbox"/> Female	
<input type="checkbox"/> New Membership <input type="checkbox"/> Renewal	
<input type="checkbox"/> \$25 Regular 1-year <input type="checkbox"/> \$60 Regular 3-year <i>(Make check payable to OCTM)</i> <input type="checkbox"/> \$10 First-year teacher 1-year *Note: The latter three options are not <input type="checkbox"/> \$5 Full-time student 1-year available to those joining through OEA.	
<input type="checkbox"/> Life- Available without payment of dues to persons who were OCTM members for 20 consecutive years prior to retirement.	
<input type="checkbox"/> From time to time OCTM will be making our members' mailing information available to other reputable organizations or companies for mathematics-related products or services that might be of interest to our members. We are confident that many of our members will find this a valuable and time-saving service. If however, you prefer to be excluded from these mailings, check this box.	
I am interested in the following involvement opportunities with OCTM:	
Name _____ E-mail _____	
<input type="checkbox"/> Planning regional professional learning opportunities <input type="checkbox"/> Serving on planning committees for the state conference <input type="checkbox"/> Helping to plan the OCTM Tournament (mathematics contest for students) <input type="checkbox"/> Serving on the Membership committee (keeping in touch with members) <input type="checkbox"/> Writing newsletter/website articles OR locating information for these <input type="checkbox"/> Soliciting or writing manuscripts for journal articles <input type="checkbox"/> Writing position statements <input type="checkbox"/> Communicating OCTM information to my local colleagues (by e-mail) <input type="checkbox"/> Other: _____	
Mail completed form to: Sister Mary Theresa Sharp, S.N.D. OCTM Membership Secretary 13000 Auburn Road Chardon, OH 44024-9330	

SECO/OCTM Joint Membership Form

For Teachers of Grades K-6

Science Education Council of Ohio/Ohio Council of Teacher of Mathematics



**MAKE
CHECKS
PAYABLE TO:**

OCTM-SECO

Name: _____

School/Institution: _____

Position/Title: _____

School/Institution Address: _____

School/Institution City: _____ State: _____ Zip: _____

School/Institution Telephone: (____) _____ FAX: (____) _____

E-mail: _____

Grade Level(s): _____

Home Address _____

Home Telephone: (____) _____ Home FAX: (____) _____

Home City: _____ Home State: _____ Home Zip: _____

Please indicate the address where you would prefer to receive SECO or OCTM information. _____ Home _____ School/Institution

♂ Male
New Membership
\$38 Regular 1-year

♀ Female
Renewal

D From time to time OCTM will be making their members' mailing information available to other reputable organizations or companies for mathematics-related products, or services that might be of interest to our members. We are confident that many of our members will find this a valuable and time saving service. If however, you prefer to be excluded from these mailings, check this box.

Mail Completed Form To:

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Save the Date!
OCTM Annual Conference
November 12 - 14, 2009
Cincinnati, Ohio

OMSC MEMBERSHIP NOMINATION FORM

The Ohio Mathematics and Science Coalition (OMSC) is an advocacy group comprised of leaders from the business, education and public sectors working for improvement in mathematics and science learning in Ohio schools. OMSC is working to develop a shared state-wide vision, and implement and monitor a state-wide continuous improvement plan for mathematics, science and technology education to assure that Ohio students receive a world class education. Nominees should be knowledgeable of the needs of Ohio education, have leadership skills, understand the educational and political environment and the change process, and be representative of a cross-section of sectors (education, business, public), community type

(urban, suburban, rural), and geographic distribution. The Coalition meets three times a year in Columbus, and conducts most of its business through committees. Nominations are accepted year-round. New members are notified in the spring of each year and are inducted at the May Coalition Meeting.

If you would like to nominate someone or apply for membership in the coalition, please complete the nomination form below and then email, mail or fax the information to Ohio Mathematics and Science Coalition, 1375 Euclid Avenue, Cleveland, OH 44115, Email jamie.milne@ideastream.org, or Fax to 216.916.6439 by March 15.

*Please complete all * fields, before you submit the form.*

*Nominee First Name:	
*Nominee Last Name:	
*Nominee's Organization	
*Preferred Street Address	
*City	
*State	
*Zip Code	
*Email Address	
*Day Phone w/ Area Code	()
Home Phone	
Fax Number	()
How do you believe that you will contribute to the goals of OMSC?	

Nominator Information (if initiated by someone other than Nominee):

*Nominator's First Name:	
*Nominator's Last Name:	
*Nominator's Organization:	
<i>In the space to the right, please outline the qualifications of the candidate and how they will contribute to the goals of OMSC.</i>	

Ohio Department of Education Update

--Vicky Kirschner, ODE Mathematics
Consultant

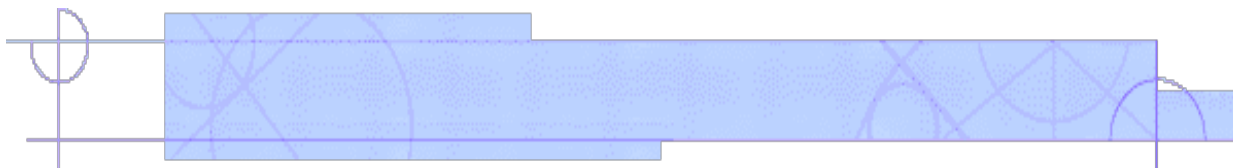
Stan Heffner, Associate Superintendent for Curriculum and Assessment, will present the findings from our international benchmarking of the Ohio Academic Content Standards for Mathematics to the Ohio Board of Education at their March meeting. We expect to be given a timeline of twelve to eighteen months to complete the revision and present the final product to the State Board. The revision process will include input from committees, educators and other stakeholders.

As part of a statewide performance assessment pilot project, mathematics teacher leaders from ten Ohio high

school sites met on February 3-4 to identify mathematics performance outcomes. Dr. Ann Shannon, Dr. Brad Findell and ODE consultants lead the process that incorporates technology-based 21st century skills for college and workforce readiness. Rubric and assessment tasks will be developed by the teams and implemented in the 2009-10 school year.

A Request for Proposals (RFP) for new Mathematics and Science Partnership projects will be available soon on our Website. Partnerships between high need schools/districts and college and university STEM faculty must be included in these proposals.

Finally, congratulations are due to our former mathematics Associate Director Jim Wright. Jim is now serving as the Director of the Office of Assessment.



OCTM Scholarship Recipients

My name is Betsy Morrison, and I am currently a senior at Ashland University. I am originally from Gahanna, Ohio, where I graduated in 2005 from Gahanna Lincoln High School. I am a member of the varsity basketball team here at Ashland as well as a member of Math Club and a number of academic honoraries. I also enjoy traveling and spending time with my family. I plan on graduating from Ashland in May of 2009 and then looking for a teaching job. I would like to head back towards the Columbus area if possible. I'm really excited about student teaching in the spring and really getting a feel for what having my own classroom is like. I am even more thrilled to discover my own teaching style and be able to incorporate new and engaging activities into my lessons.

Kelley Marie Kubik, a resident of St. Clairsville, Ohio, is a 2005 graduate of St. Clairsville High School and currently a senior at Muskingum College in New Concord, Ohio. Kelley will graduate in December, 2009, with a double major in mathematics and secondary education and a double minor in German and psychology. She plans to pursue a teaching career as a high school mathematics teacher and obtain a masters degree in counseling and guidance. She is house manager of the Lambda Chi Omega social sorority, and is a member of the college Dance Team. In addition, she is president of the mathematics honorary Kappa Mu Epsilon, a member of the education honorary, Kappa Delta Pi and the leadership honorary, Omicron Delta Kappa. Kelley is 22 years old, enjoys outdoor activities, and has been employed as a lifeguard for the past seven summers.

Duane Bollenbacher's 21st Annual Summer Workshops

at Bluffton University, Bluffton, Ohio (Between Toledo and Dayton on I-75)

Courses to be Offered (3-day workshops; LPDC Credit or Graduate Workshop Credit Available)

1. W-F, June 10-12 "*Mathematics HQT Certification for Intervention Specialist*" INSTRUCTOR: Duane Bollenbacher, Bluffton University

2. T-Th, June 16-18 "*Learning to use the TI 83/84 Grapher as a Powerful Teaching Tool in Middle School*" INSTRUCTOR: Carl Jones, Director of Curriculum, Darke County ESC

3. T-Th, June 23-25 "*Make-It, Take-It Activities for the MIDDLE SCHOOL/HIGH SCHOOL Mathematics Teacher*" INSTRUCTORS: Alexa Collins and Chrissy Egnot, Madison High School

4. T-Th, June 23-25 "*Historical Topics for Middle and High School Mathematics Classrooms, Course 2*" INSTRUCTOR: David Kullman, Miami University

5. T-Th, August 11-13 "*Tips On Becoming A MIDDLE SCHOOL MASTER TEACHER Of Mathematics, Course 3*" INSTRUCTOR: Marilyn Link, Retired MS and HS teacher, Coldwater, Ohio

6. T-Th, August 11-13 "*Tips on Becoming a MASTER TEACHER of High School Pre-Calculus Mathematics*" INSTRUCTOR: Chris Leuthold, Cory-Rawson High School

- Completion of ANY TWO of these Workshops may be used to meet the HQT requirements to become a HIGHLY QUALIFIED TEACHER as an INTERVENTION SPECIALIST in mathematics.
- For each of the three-day workshops: 1 semester hour graduate workshop credit (\$275) OR 20 contact hours for LPDC Credit (\$125)
- Includes lunches; housing and other meals are available
- \$25 extra if not an OCTM member—you then become a member

For further information, brochures/registration forms (available by March), or questions, contact: Duane Bollenbacher, Bluffton University; W: 419-358-3296; bollenbacherd@bluffton.edu

PUZZLE CORNER ANSWERS

- Duane Bollenbacher

Level 1: 50,5,1,1,1,1,1; 25,10,5,5,5,5,5;
10,10,10,10,10,5,5

Level 2: a) 78 feet
b) $1 \frac{5}{8}$ inches = 1.625 inches

Level 3: a:b = 1:8

Ohio Early College Mathematics Placement Testing Program (EMPT)

2009 Summer Academy: "Remedial Algebra Using a Function Approach" July 22 – 24, 2009

Teaching algebra from a function approach means using function, function representation, and function behaviors (but not function notation), to teach algebraic concepts and skills. This definition implies that function is an underlying theme throughout a course in algebra. It also suggests that a "function implementation module" is needed before any traditional algebra is taught. The Academy will provide content that begins with contextual numeric representations of functions and leads to students learning to move freely through representations with a graphing calculator. This is followed by an analysis of the geometric behaviors of functions integrated with studying parameter-behavior connections. The implementation module facilitates teaching of a slightly revised and re-ordered traditional algebra curriculum, and allows us to capitalize on the cognitive learning concepts of associations, pattern recognition, attention, visualizations, priming, meaning, distributed learning, and an enriched teaching environment. These ideas play an extremely important role in teaching and learning of algebra, and are naturally and seamlessly integrated into the mathematics and pedagogy through using a function approach implemented with a graphing calculator.

Teaching from a function approach means using function representation and behaviors to teach mathematics such as factoring, equation solving, arithmetic operations on polynomials, systems of equations, inequalities, properties of inequalities, definitions, concept of asymptotic behavior, absolute value, slope, laws of exponents, etc. The curriculum proposed during the workshop is at the Algebra II level, and is appropriate for a fourth year senior remedial math course or a "soft" Algebra II course for juniors.

Optional two (2) *quarter* hours of graduate credit (Math 610) from The Ohio State University will also be available. Details will be available upon application to the Academy.

For more information, contact Ed Laughbaum <elaughba@math.ohio-state.edu>, or go to www.empt.org for the registration form. Space is limited to 35 people. The registration deadline is May 30, 2009.

Bowling Green Council of Teachers of Mathematics Update

--Abbey Bergman, BCCTM Co-President

The Bowling Green Council of Teachers of Mathematics (BGCTM) prides itself on not only being affiliated with state and national councils, but also on its member participation and the quality of its events and presenters. Throughout the 2008 Fall Semester at Bowling Green State University, BGCTM has provided four professional development meetings for its members, including providing travel money for the NCTM/OCTM Conference in Cleveland, a discussion session on NCTM Focal Points and the new Focus in High School Mathematics book, a break-out session between pre-service teachers of grades K-6 and 7-12, and a national NCTM workshop for new and pre-service teachers.

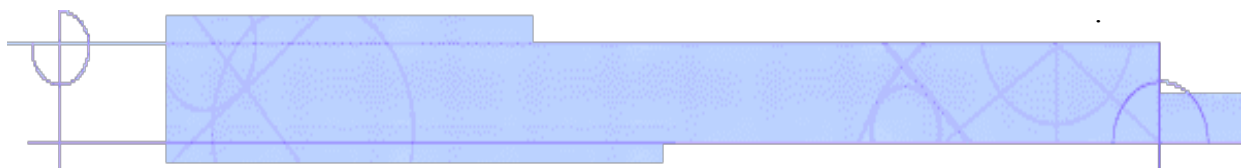
For our Fall Kick-Off meeting, members were divided into two groups. Those members who chose to focus on grades K-6 attended a discussion on the NCTM Focal Points, lead by Mrs. Janet Emerine. Members not only discussed the purpose and goals behind the Focal Points, but also dove deeper into what these Points actually mean in the classroom, along with thoughts and ideas about ways that the Points are unclear or may possibly need to be changed. Those members who chose to focus on grades 7-12 joined Dr. Daniel Brahier for an in depth reading and analysis of the draft of the new NCTM Focus in High School Mathematics book. This section of the meeting met in a campus computer lab, enabling students to directly submit their reactions to NCTM. This BGCTM meeting not only allowed students to become more familiar with the Focal Points that the Ohio Standards are based on, but also to be involved in the

shaping of the newest edition, a document that will eventually affect the way that they teach in the future.

BGCTM, along with some funding through an OCTM grant, was able to put on an E-Workshop provided by NCTM for new and pre-service teachers. The 3-hour workshop, which was held totally online through an interactive slide show and a conference call styled discussion, was attended by twenty-five members. Not only were members given many different ideas and rich problems that will fit right in to any math curriculum, but strategies and ideas that can be used in any classroom setting, including classroom management techniques, organizational techniques, reward and punishment ideas, and ways to lower stress levels. In addition to all of these invaluable pieces of information to take back to the classroom, members also engaged in conversations and discussions about all of the ideas presented in the workshop with not only fellow members, but with other new and pre-service teachers all around the nation, bringing a lot of diversity and various opinions to the meeting.

In January, BGCTM hosted a movie night. More than 30 students watched and discussed the popular movie, "Stand and Deliver."

The Bowling Green Council of Teachers of Mathematics hopes to continue its current success in the future. With a strong member base of over 200 undergraduates, hardworking advisors, and a great presence in the College of Education and Human Development, BGCTM will continue to provide outstanding professional development opportunities to the future mathematics educators at Bowling Green State University.



The Ohio Council of Teachers of Mathematics

Emalou Brumfield Affiliate Grant Application for Professional Development Programs
presented by an affiliate group.

Application Date: _____

Affiliate Name: _____

Start date of project: _____ Completion Date of project: _____

Grant Contact Person:

Name: _____

Address: _____

Home phone: _____

Work phone: _____

Email: _____

Affiliate president:

Name: _____

Address: _____

Home phone: _____

Work phone: _____

Email: _____

Answer the following questions on separate paper

Rationale: What need is to be addressed?

Goal: How will this project meet the need identified?

Description: What are the components and implementation plans of this project?

Evaluation: What criteria will be used to assess the effectiveness of this project?

Budget: Attach a budget for this project.

When submitting this form write a couple paragraphs about the proposed program that can be used to publish in the OCTM Newsletter. After you have completed your project with these funds please send an article to our newsletter editor about your event.

Grant Contact Signature

Affiliate President Signature

Send this information to: Judy Gerwe, 534 Waycross Rd, Cincinnati, OH 45240-3936 or
email jagmath@aol.com

OHIO COUNCIL OF TEACHERS OF MATHEMATICS



OCTM NEWSLETTER
MARGIE COLEMAN
7452 D Turtle Lane.
MAINEVILLE, OHIO 45039

This will be the LAST newsletter that you will receive in the mail! OCTM is going online, and the June newsletter will be published electronically. In order to be sure that you receive notice of the publication, please update your e-mail address with Sister Mary Theresa Sharp at tsharp@ndec.org. If you do not have e-mail, please call Kim Yoak at 330-689-5200, ext. 6255, and leave your name and phone number.

Calling all pre-service teachers and teachers with 5 years or less in the classroom: You are invited to the Emerging Leaders Conference on April 18! See inside for an agenda and the registration form. This will be an exciting and unique opportunity to collaborate with mathematics education leaders from around the state.

Important Dates:

NCTM Conference – Washington, D.C.
April 22-25, 2009

OCTM Conference – Cincinnati, OH
November 12-14, 2009