



▶ TABLE OF CONTENTS .....2



▶ PRESIDENTIAL AWARDS ...2



▶ ITEMS OF INTEREST FOR KENTUCKY MATHEMATICS EDUCATORS.....2

○ FEBRUARY | ○ 2008

Newsletter Editor: Kari Ostby  
February Newsletter Design: Kathy Mowers

# KCTM News

SUPPORTING TEACHERS OF MATHEMATICS STUDENTS FROM KINDERGARTEN AND BEYOND

## Maggie McGatha's Message

Welcome to the first KCTM Newsletter of 2008!

It really is hard to believe that February is already here! The school year is rolling by much too quickly. With March fast approaching, I thought you might like to consider some Pi Day activities for your classroom. Many teachers across the country set aside March 14 to focus on Pi ( $\pi$ ). Here are a few websites that have lots of great Pi Day activities for all grade levels:

- Math with Mr. Herte:  
[http://www.mathwithmrherte.com/pi\\_day.htm](http://www.mathwithmrherte.com/pi_day.htm)
- Math Educators of Greater Saint Louis – Pi Day Resources:  
<http://www.mobot.org/education/megsl/pi.html>

- Fun with Pi:  
<http://www.kathimitchell.com/pi.html>
- Education World – Plan a Pi Day Party:  
[http://www.education-world.com/a\\_lesson/lesson/lesson335.shtml](http://www.education-world.com/a_lesson/lesson/lesson335.shtml)

Join me at U of L for the TI-Inspire Workshop (see my note below).

Keep watching our website for news of the 2008 conference. We hope to have the details out very soon!

Respectfully yours,  
Maggie McGatha  
KCTM President



NUMB3RS' David Krumholtz

## TI-Nspire at U of L

Texas Instruments is hosting a one-day TI-Nspire workshop at the University of Louisville on Saturday, April 19, from 9:00-4:00 (registration at 8:30). This workshop is a great opportunity to learn more about incorporating this technology into your classroom. All sessions will be led by T3 Teachers Teaching with Technology instructors. Registration is only \$25 and includes lunch. Pre-service teachers are free! Each participant will receive a \$100 coupon to attend a T3 TI-Nspire 3-day training workshop. Participants will get to explore activities from their choice of two of the following subjects: Algebra I, Algebra II, Geometry, Precalculus/Trigonometry, Statistics, and Calculus. Registration is now open at [TI-Nspire.com/nspirationtour](http://TI-Nspire.com/nspirationtour). If you have questions about the workshop you can email Maggie McGatha, [maggie.mcgatha@louisville.edu](mailto:maggie.mcgatha@louisville.edu)



# Assessment: It's Not Just a Word

Janet Penrod  
[janet.penrod@mclean.kyschools.us](mailto:janet.penrod@mclean.kyschools.us)  
Elementary Vice President

Assessment can be a teacher, students and parent's friend. Assessment can show how much a student knows before the unit, how much a student knows during the unit and how much a student learned at the end of the unit.

You ask "What type of assessment?"

A formative assessment can be as easy as a teacher's observation or as complicated as a computer test. A teacher can watch a child and make notes (document) about what mistakes and corrections the student makes. A pretest before the

unit can tell the teachers what the student already knows and where the units needs to start. A formative assessment during the unit can tell the teacher how fast or how slow the teacher needs to instruct the new materials. A post-test after the unit can tell the teacher needs to instruct the new materials. A post-test after the unit can tell the teacher whether the teacher needs to reteach certain concepts or just have mini- lessons over certain skills.

What is the difference between formative assessment and summative assessment?

Assessment for learning is formative assessment is a quick fast assessment that

tells the teacher right away if the student has grasped the skill. A summative assessment is an assessment of learning. It would be an assessment that covers the whole unit instead of a particular skill in the unit.

Seven steps from Classroom Assessment For Student Learning; by Shelly Clark

1. Make the target (objective) clear
2. Show examples of correct and incorrect work
3. Give feedback
4. Help with self-assessment
5. Focus on one quality part of the work at a time
6. Explain to the student how to correct or revise
7. Keep students engaged

## TABLE OF CONTENTS



- 1 Maggie McGatha's Message
- 2 Assessment ...
- 2 PAEMST Teaching Program
- 3 Opportunity Knocks...
- 3 Conference Update
- 3 TI-Nspiration Tour
- 4 For KY Educators
- 6 Aviation Institutes
- 6 NKCTM News
- 7 X-Mania
- 7 Krumholtz--Honorary Degree
- 7 NCTM News
- 8 LCTM News
- 8 CCTM News
- 8 Board Minutes
- 11 Press to Test

## Presidential Awards for Excellence in Mathematics and Science Teaching Program

**Nominate an outstanding K-6 Mathematics or Science Teacher for the 2008**

Online nominations are now open for the 2008 Presidential Awards for Excellence in Mathematics and Science Teaching program, marking the 25th anniversary of this award. Administered by the National Science Foundation on behalf of the White House, this is the highest honor in the Nation that teachers of mathematics or science may receive for outstanding teaching in their respective fields. Since 1983, more than 3,700 teachers from the 50 States and 4 U.S. jurisdictions (American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands) have been selected to join the dynamic network of Presidential Awardees. The network serves as a vital resource for improving science, technology, engineering, and mathematics education and helping to keep America globally competitive.

Visit [www.paemst.org](http://www.paemst.org) for eligibility requirements, nomination guidelines, and application information. The deadline for nominations is March 1, 2008 Completed applications are due May 1, 2008.

This year, the call is for elementary school teachers (kindergarten through sixth grade) to compete for this prestigious award. Award recipients receive:

- A citation signed by the President of the United States
- A paid trip for two to Washington, DC, to attend a weeklong series of recognition events and professional development opportunities
- A \$10,000 award from the National Science Foundation
- Gifts from program sponsors from around the country
- The chance to build lasting partnerships with colleagues across the Nation

**Nominate yourself. Nominate a colleague. Encourage others to nominate outstanding teachers!**

[www.paemst.org](http://www.paemst.org)

## Opportunity Knocks, Kentucky Teachers!

Ann Bartosh, KDE Rep  
[ann.bartosh@education.ky.gov](mailto:ann.bartosh@education.ky.gov)

Who:  
5<sup>th</sup> or 8<sup>th</sup> grade Math teachers  
4<sup>th</sup> or 7<sup>th</sup> grade English/LA teachers

What: Participate in a research study sponsored by the US Department of Education\*

When: Spring 2008 through Spring 2009

Where: In your classroom and at a computer

How:

\*Be randomly assigned to an experimental or control group with other KY teachers

\*Take two online teacher surveys (requiring 45-60 minutes each)

\*Administer three online tests to your students (computer lab and 1 class period required for each test)

\*If you are assigned to the experimental group, you must take 3 online PD courses in your subject area in Spring 2008, Fall 2008 and Spring 2009. (These courses focus on both content knowledge and pedagogical practices, offering information and techniques that you can directly apply in your classroom! They are targeted towards subjects where students tend to struggle and are based on state and national standards. )

\*If you are assigned to the control group, you can take free online PD courses in areas other than math and ELA.

Why:

\*Help answer the question: Does high quality online professional development improve classroom instruction?

\*Receive instant feedback from student tests

\*Are eligible for 24 hours of PD credit for each online course you take. (Graduate credit is available at a reasonable per credit fee.)

\*Receive a \$300.00 stipend for successful completion of all activities

\*e-Learning Kentucky is part of e-

Learning for Educators, a multi-state collaboration between eight state education agencies and associated public broadcast stations. e-Learning for Educators is funded through a \$4.6 million US Department of Education Ready to Teach grant. Grant partners include Education Development Corporation and Boston College. Kentucky partners include KDE, KET, EPSB.

For more information: Boston College Research partner site: [www.bc.edu/efe](http://www.bc.edu/efe)

e-Learning Kentucky office email: [elearningkyinquiry@education.ky.gov](mailto:elearningkyinquiry@education.ky.gov)

To register and sign up: [www.bc.edu/efe](http://www.bc.edu/efe)

## KCTM 2008 Conference Update

Beth Noblitt, President-Elect  
[noblittb@nku.edu](mailto:noblittb@nku.edu)

KCTM is currently planning our annual conference. After the tremendous success of last year's conference, we are inspired to make the 2008 Conference even better! As soon as dates and location are finalized, we will advertise on our newly designed website, [www.kctm.org](http://www.kctm.org).

## TI-Nspiration Tour

*Get hands-on with TI-Nspire™ technology, the most inspired learning tool ever imagined*

[Bryson Perry](#), High School VP

TI's newest learning tool creates a dynamic dimension for students to visualize concepts and take an interactive role in their learning. TI-Nspire technology is built on proven graphing technology, which research shows has a positive impact on student achievement. Come see how exploring multiple representations of a problem on a *single screen* can help students develop an even deeper understanding of concepts. Experience how the use of electronic documents – for class activities and homework – further aligns

with teaching practices proven to enhance learning.

**WHEN:**

**Saturday, April 19, 2008**

**9 a.m. - 4 p.m.**

**8 a.m. Check-in/Registration**

**WHERE:**

**University of Louisville**

**Education Building**

**Louisville, KY 40292**

Registration is \$25 per person *and* includes lunch. Registration is FREE for pre-service students.

TI-Nspiration Tour participants receive a \$100 discount coupon to attend a T3 TI-Nspire 3-day workshop, certificate of completion and 30-day trial CD of TI-Nspire computer software.

Attend hands-on TI-Nspire sessions, led by T3TM, Teachers Teaching with Technology instructors, to explore activities from your choice of two of the following subjects: Algebra 1, Algebra 2, Geometry, Pre-calculus, Statistics, Calculus or Trigonometry

Seats are limited. Register at [www.ti-nspire.com/tools/nspire/resources/nspiration\\_tour.html](http://www.ti-nspire.com/tools/nspire/resources/nspiration_tour.html)

Also, see "Press to Test" later in the News



## Do you have photos for the News or the [kctm.org](http://kctm.org)?

With permission of those pictured, send the photos to the Editor or Website Coordinator. Be sure to provide the names of those pictured.

## Items of Interest for Kentucky Mathematics Educators

Valeria Amburgey, College VP  
[vamburgey@insightbb.com](mailto:vamburgey@insightbb.com)

Over the past few months, information on the following list of conferences, publications or other websites found its way into my email inbox. These may be of interest to KY mathematics educators and/or their students:

### Conferences:

Triangle Coalition Annual Conference on STEM Education Policy - February 25-26, 2008 - Alexandria, Virginia. Each year this meeting brings together key stakeholders in STEM education and this year the conference promises to be extremely valuable. On the agenda this year is a discussion led by Dr. Camilla Benbow, the Vice-Chair of the National Mathematics Advisory Panel and Dean of Education and Human Development at Peabody College, Vanderbilt University. She will be sharing findings from the Panel and their soon to be released final report. This is one of the first opportunities to hear first hand what the Panel has concluded and their recommendations. You won't want to miss this unique experience. There is still limited space available but you will want to make sure you get registered soon. We will once again in beautiful Old Town Alexandria, Virginia, just across the river from Washington DC. The conference hotel, the Hilton Alexandria Old Town, is situated in the heart of the quaint Old Town Alexandria area just steps from the King Street Metro and Amtrak Station and is just minutes away from Washington's Reagan National Airport and downtown Washington DC via the Yellow or Blue Metro Lines. If you need additional information about the conference you can find all the details at [www.trianglecoalition.org/conf.htm](http://www.trianglecoalition.org/conf.htm).

The 20th Anniversary of the International Conference on Technology in Collegiate Mathematics is being held in San Antonio March 6-9, 2008. Please see [www.ictcm.org/](http://www.ictcm.org/) for registration and

all other information. The **deadline** for early registration is February 22, 2008.

TechEd, the Technology in Education International Conference & Exposition – Ontario, CA – April 13-16, 2008. For more information visit [www.TechEdEvents.org](http://www.TechEdEvents.org).

The Center for the Study of Mathematics Curriculum (CSMC) is hosting an international conference on the subject "Future Curricular Trends in School Algebra and Geometry" on

May 2-4, 2008, at The Field Museum in downtown Chicago and on The University of Chicago campus. The conference will feature international experts from Australia, Europe, and South America, and national expertise from the United States. If you would like to know more about it, please check the CSMC web site, [www.mathcurriculumcenter.org/conferences.php](http://www.mathcurriculumcenter.org/conferences.php).

Algebra through Function Academy – June 22-27, 2007 @ Duck, North Carolina. Teaching algebra from a function approach requires the use of function and function behaviors to teach concepts and skills 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. Using unique materials, we will reorder the algebra content and use function concepts to develop understanding of, interest in, and long-term memory of traditional algebraic ideas. We will capitalize on cognitive processes of associations, pattern building, attention, visualizations, meaning, the enriched teaching environment, distributed learning, and priming. We will model how to teach algebra through a function approach with graphing calculators, and demonstrate why they are crucial to teaching and learning. At the Algebra through Function Academy we will use the TI-84 Plus SE, CBL2, CBR2, and Vernier EasyLink, as tools of choice when teaching algebra. Instructors will be Debbie Crocker (Appalachian State University) & Ed Laughbaum (The Ohio State University). For registration information, please find the form online at [www.math.ohio-state.edu/~elaughba/](http://www.math.ohio-state.edu/~elaughba/). The deadline for registration is May 1, 2008 and is limited to 35 people. For

additional information, please email Ed Laughbaum ([elaughba@math.ohio-state.edu](mailto:elaughba@math.ohio-state.edu)).

Conference on CAS in Secondary Mathematics – June 28-29, 2008 @ New Trier High School (Northfield Campus); 7 Happ Road; Northfield, IL 60093. Registration: \$195 (before May 2, 2008) \$250 (after May 2, 2008) -(Fee includes continental breakfast, box lunch, snack, and conference shirt). Computer algebra systems (CAS) have the potential to revolutionize mathematics education at the secondary level. They do for algebra & calculus what calculators do for arithmetic: simplifying expressions, solving equations, factoring, taking derivatives, and much more! HOTEL: Renaissance Chicago North Shore Hotel, Northbrook IL - \$119/night conference rate available until June 5, 2008 (rate available for reservations June 26 to June 28, 2008). Book directly online at <http://cwp.marriott.com/chinb/meeecas/> or 1-800-468-3571 - Mention group code "USACAS" or "MEECAS". On-line registration, updates, and hotel information available beginning February 2008 at <http://meeecas.org>. Sponsored in part by: Texas Instruments Wright Group/McGraw Hill. Organized by MEECAS (Mathematics Educators Exploring Computer Algebra Systems).

The 6th International Conference on Education and Information Systems, Technologies and Applications (Orlando, Florida, USA, on June 29th to July 2nd, 2008). February 27th is the new deadline for papers/abstracts submissions and Invited Sessions Proposals for EISTA 2008. For more information visit [www.socioinfo cyber.org/eista2008](http://www.socioinfo cyber.org/eista2008). The 2nd International Conference on Knowledge Generation, Communication and Management: KGCM 2008 - [www.sciis.org/KGCM2008](http://www.sciis.org/KGCM2008) will be held jointly with The 3rd International Symposium on Knowledge Communication and Peer Reviewing: KCPR 2008, and The 3rd International Symposium on Knowledge Communication and Conferences: KCC 2008. It will take place in Orlando, Florida, USA, on June 29th to July 2nd, 2008.

The 11th International Congress on Mathematics Education (ICME) in

Monterrey, Mexico, July 6-13, 2008. The SECOND ANNOUNCEMENT for ICME-11 is available online at [www.icme11.org/](http://www.icme11.org/). To download the (pdf) announcement, click the website URL, scroll down and click on SECOND ANNOUNCEMENT, then scroll down to the bottom and click on "2ndAnnouncement[Nov26].pdf" and you can save the file on your computer to view or print.

**ICME 11** Plenary 2: Give Teachers a Voice in Shaping the Research Agenda—Thank you to those who have already completed the online survey - we have a very pleasing mix of nationalities responding. But, we need many more responses if teachers are truly to contribute to shaping the research agenda in mathematics education. If you are able to alert mathematics teachers to the opportunity to take part in this survey, please do so as a matter of urgency. The online survey can only remain open until the end of February. The procedure is simple: Go to the ICME 11 website ([www.icme11.org/](http://www.icme11.org/)) and select the Plenary Session 2 Survey link from the menu items on the right-hand side of the web page.

We need responses from all countries, all school types and all levels of the school system including teachers, policy makers, and curriculum developers.

It is important that mathematics teachers around the world make their views known and contribute to shaping the direction of mathematics education research internationally.

Psychology of Mathematics Education (PME32 and PME-NA XXX) -- Mexico July 2008 The website and first announcement are now available online at [www.pme32-na30.org.mx/annou.htm](http://www.pme32-na30.org.mx/annou.htm). Registration for the conference will also be online and ready very shortly.

National Association for Gifted Children [NAGC] -- 55th Annual Convention -- The Math & Science strand seeks to promote a greater understanding of the need for academic challenge and support within the disciplines of mathematics and science, as well as innovative strategies and research related to either field. Sessions in this strand will address teaching strategies that promote critical thinking in math and science classrooms, successful programs and curriculum,

international comparisons of math and science achievement and programming, developing exceptional math and science talent, teacher training, and encouraging young scholars in the STEM fields. We invite you to join the authoritative voices and information pioneers in the field of gifted as they gather under one roof this year in Tampa, October 29 – Nov. 2, 2008. For more information: [www.nagc.org/index.aspx?id=2415](http://www.nagc.org/index.aspx?id=2415).

SSMA 2008 Annual Convention - ([www.ssma.org](http://www.ssma.org))--Thursday-Saturday, November 13-15, 2008—Raleigh-Durham, NC @ Sheraton Imperial Hotel & Convention Center; 4700 Emperor Blvd; Durham, NC 27703; (919) 941-5050. Deadline for speaker proposals is April 21, 2008. For more information, contact John Park; North Carolina State University; Department of Mathematics, Science, & Technology Education; Campus Box 7801; Raleigh, NC 27695.

2008 Asian Technology Conference in Mathematics, Bangkok, Thailand—December 15-19, 2008—The goal of this conference is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enhancing technology to enrich mathematics learning, teaching and research at all levels. English is the official language of the conference. Submission of a proposal and abstract deadline is June 15, 2008. See <http://atcm.mathandtech.org> for full information

The Ninth International Conference on Technology in Mathematics Teaching (ICTMT 9) -- Metz, France -- July 4-8, 2009 -- Further information about the programme, the process for submitting proposals for presentations, workshops and posters, how to register, the venue and accommodation will be posted at [www.ictmt9.org/](http://www.ictmt9.org/) in mid 2008.

### *Publications and/or Websites:*

Moody's Mega Math Challenge -- <http://M3Challenge.siam.org> is an applied mathematics competition open to high school students. There are no entrance or participation fees of any kind, and scholarship prizes total \$65,000. Teachers who act as coaches are recognized with nice appreciation gifts. Moody's Mega Math Challenge has run only in the NYC metro area for

the past two years, with huge success and participation. We are fortunate to have funding from The Moody's Foundation to increase the number of schools that are able to participate in this year's Challenge.

"Pi Across America" is celebrating its second year and urge you to mark March 14th (3:14) for a special "pi day" celebration. Tens of thousands of teachers and others have visited our free website ([www.PiAcrossAmerica.org](http://www.PiAcrossAmerica.org)) for ideas on how to celebrate math with  $\pi$ . Share with your members and Come join the fun!

The third monograph of The Montana Mathematics Enthusiast, entitled "Festschrift in honor of Guenter Toerner's 60th birthday" is available online for free at [www.montanamath.org/TMME](http://www.montanamath.org/TMME). It contains a collection of 17 articles written by well known scholars in areas related to Toerner's work. Information Age Publishing will now be the new publisher of The Montana Mathematics Enthusiast: Monograph Series in Mathematics Education. They will be publishing both print and online versions starting with monograph 3. Bharath Sriraman is soliciting proposals from the community from those interested in guest editing future monographs in the series. If anyone has a topic in mind and would like to propose a monograph, please don't hesitate to contact Bharath (SriramanB@mso.umt.edu). I will be happy to share details.

The inaugural issue of North American Study Group on Ethnomathematics (NASGEM) News is now available online— ([www.ccd.rpi.edu/eglash/nasgem/newslet/NNvolume2\\_1.pdf](http://www.ccd.rpi.edu/eglash/nasgem/newslet/NNvolume2_1.pdf)). The next issue will be published in April 2008, with a submission deadline of mid-March. Please send us your news about events, publications, resources and calls. Short articles (600-800 words) about ongoing work and teaching practice are also welcome. Contact Dawn Wiseman ([dawn@nativeaccess.com](mailto:dawn@nativeaccess.com)) for more information.

Scientific Journals International (SSI) -- [www.scientificjournals.org/](http://www.scientificjournals.org/). If you are interested in serving on their volunteer Editorial Review Board or in submitting a manuscript, forms are available at their website.

Education and Information Technology Digital Library (EdITLib) - [www.EdITLib.org](http://www.EdITLib.org). At no cost, you can: Search 20,000+ articles and access abstracts; Read most viewed abstracts in Library community; Store collections of articles in personal binders; Email abstracts to colleagues; Export citations. —Or—Subscribe for 1 year and receive 15+ years of articles (20,000+) from 10 journals and 4 conferences! Individual and library subscriptions available. — Or—Search the Library and purchase individual articles without subscribing!



## 2008 Kentucky Aviation Teacher Institutes

*Teachers of grades 5-12  
Registration is now open*

[Ann Bartosh](#)

KDE Representative

Overview of 2008 Institutes:

- Four-3 day and one evening (Tuesday night) institutes; three level I institutes and one level II institute, in June and July: Pennyrile State Park (June 10-12), Natural Bridge State Park

(June 17-19), General Butler State Park (June 24-26), Frankfort (level II) (July 1-3). Limit: 25 teachers per location.

- Topics covered through inquiry/problem—based learning will be applied mathematics (time, speed, distance), science-aerodynamics (forces and motion), and social studies-navigation (map skills). KY Core Content 4.1, KY Program of Studies, and the National Standards will be used.
- Teachers will receive an actual airplane flight (optional), aviation lessons and materials for their classrooms, and the opportunity to join an Aviation Professional Learning Community through e-learning.
- Guests will be available to visit your classrooms during the year: aviators, physicists, scientists, engineers, and educators.
- We will provide overnight lodging for Tues/Wed night if you live over 40 miles away. This is non-negotiable because of Transportation Cabinet policy. Tuesday night's banquet will be provided by KDA. All other meals are your own responsibility. Coffee and mid day refreshments will also be provided. Please feel free to bring your own soft drinks and snacks.
- You are encouraged to send a teaching team (math, social studies, & science) from your school. This could be highly beneficial to your students by using the integrated unit.
- Civil Air Patrol (CAP) will be scheduling free optional teacher flights with their Civil Air Patrol Fly-A-Teacher program.
- After you register, you will receive a brief description of the schedule, more information about the institute, plus a letter of acceptance to your principal.
- The first evening will be a casual banquet and program which is part of the day's agenda. The second evening will be your choice for a "Night on the Town".

Please bring: A copy of Core Content 4.1 (appropriate to your teaching), a copy of your curriculum map, and a laptop computer with Win 98 or newer, along with a power strip and extension cord. This computer must be able to add outside software such as Microsoft Flight simulator and others. Please do not bring a Macintosh computer. Any aviation related resources that would be valuable to share with other teachers would be greatly appreciated.

To register or for more information, contact: Paige Hankla, Kentucky Department of Aviation:  
[PHankla@ky.gov](mailto:PHankla@ky.gov) or 502-564-4480

Jackie Hensley, Science Consultant:  
[JHensley@dcr.net](mailto:JHensley@dcr.net) or 502-223-2912

## Northern KY Council of Teachers of Mathematics News

Mike Waters

NKCTM Representative  
[watersm1@nku.edu](mailto:watersm1@nku.edu)

The Northern Kentucky Council of Teachers of Mathematics recently held a workshop featuring Dr. Ted Hodgson, Mathematics Educator from the Mathematics Department at NKU. Ted spoke to Middle and High School teachers about "Mathemagic."

NKCTM is planning a workshop on February 13 titled "TI-84 APPS in the Middle and High School Algebra and Geometry Classrooms", presented by Patty Gibian from Georgetown Middle School in Scott County.

NKCTM is considering hosting a third workshop using the TI-73 middle grades calculator, perhaps in April or May.

## X-Mania: A Valuable Place for Place Value

Greetings, I know that everyone is looking forward to KTLC in March and I would like to take this opportunity to invite you all to an exciting pre-conference event. In this session we will journey into unusual number systems as we explore the distant society of X-Mania and their difficulties with numeration and notation. If you have ever wondered about the intricacies/difficulties related to place value and how kids perceive number systems, this is the event for you.

### Meeting Name:

X-Mania: A Valuable Place for Place Value

### Date/Time:

Wednesday, 3/5/2008, from 10:00 a.m. - 4:00 p.m.

### Location:

Hyatt Regency, Churchill Downs Suite

### Presenters:

Dr. Shelly Harkness: Professor of Mathematics Education, University of Cincinnati

Jonathan Thomas: Kentucky Center for Mathematics

This pre-conference event is limited to 28 participants and spots will be assigned on a first-come/first-served basis.

If you plan to attend, please RSVP with your name and school/district to [thomasj13@nku.edu](mailto:thomasj13@nku.edu) so that I can save a seat for you.

**Jonathan Thomas**, Asst. Director

Diagnostic Intervention Programs

Phone: 859-572-7697

Fax: 859-572-7677

## David Krumholtz of NUMB3RS Awarded Honorary Associates Degree

In December 2007, at the California Math Council, Community Colleges (CMC<sup>3</sup>) fall conference in Monterey, California, David Krumholtz was awarded an honorary two-year college degree from Lake Tahoe Community College. Kathy Mowers, KCTM member, was in attendance and is pictured on this page.

Krumholtz plays mathematician, Professor Charlie Eppes, who uses his mathematical abilities to assist his FBI brother in solving crimes. The show has helped millions see mathematics as more than just a useless subject they must take in school.

At the CMC<sup>3</sup> award ceremony David Krumholtz, who finished high school, but never completed his college degree, was awarded an honorary associates degree in mathematics from Lake Tahoe Community College. He "read" the audience a mathematics joke commenting that he just didn't get it. The room erupted with laughter at the telling...he said that he must have a great writer.

Krumholtz signed autographs and joined a photo session for about a hundred of the CMC<sup>3</sup> members. The producers of NUMB3RS donated a walk-on role. David Krumholtz selected the winner of the Foundation raffle. Krumholtz was nice enough to pick a second winner. So next time you are watching the NUMB3RS don't be surprised if you see an actor pretending to be a math instructor and a math instructor pretending to be an actor.



## National Council of Teachers of Mathematics News

Beth Noblitt

President-Elect/NCTM Rep.

### *NCTM Annual Meeting*

The NCTM Annual Meeting and Exposition will be held April 9-12, 2008 in Salt Lake City, Utah. Visit [www.nctm.org/conferences/default.aspx?id=52](http://www.nctm.org/conferences/default.aspx?id=52) for more information. The theme of this year's Annual Meeting is "Becoming Certain About Uncertainty."

### *Nominations Wanted*

You can nominate talented NCTM members for the office of President or to the Board of Directors. You may nominate yourself or other members. Nominations must be submitted online or postmarked by March 3, 2008. To submit online, visit <http://www.nctm.org/about/nominonline.aspx>.

### *E-Workshops*

Engage your preservice teachers in a collaborative, interactive online learning experience. E-Workshops offer professional development on three topics: reasoning with data and probability, implementing the algebra standard, and geometric thinking. To learn more, visit [www.nctm.org/profdev/content.aspx?id=11784](http://www.nctm.org/profdev/content.aspx?id=11784).

### *Tips for Teachers*

NCTM has a website devoted to providing tips for teachers. Visit [www.nctm.org/resources/content.aspx?id=9584&ekmensel=c580fa7b\\_44\\_398\\_btnlink](http://www.nctm.org/resources/content.aspx?id=9584&ekmensel=c580fa7b_44_398_btnlink) to see interesting tips on a wide range of areas from starting off the year right to communicating to parents. You can also submit your own tips to share with others!

## Cumberland Council of Teachers of Mathematics News

Judy Pennington-Price  
CCTM Representative

Cumberland Council of Teachers of Mathematics Fall Conference held its annual conference on November 8 at North Laurel High School in London. There were three different time blocks with sessions for primary, intermediate, middle, and high school teachers during each block. It was the biggest and best conference ever with 120 mathematics educators attending from central and southeastern Kentucky. The conference ended with good food and fellowship. Those in attendance were treated to a motivational presentation by Mr. Hap Strunk, businessman and performer from Whitley City. The planning committee has already started work on next year's conference.

## Lexington Council of Teachers of Mathematics News

Natalee Mauney Feese  
LCTM Representative

The Lexington Council of Mathematics will sponsor **Math Madness Workshops** during the next few weeks!

Teachers were registered and all spots were filled for *Using the TINspire Calculators* on Jan. 30, 2008. Session presented by Ruth Casey, NCTM board member, and Bryson Perry, KCTM vice president. Forty-eight 48 FCPS high school math teachers met on this date!

*The Shape of Data* for Grades 4-5 teachers, on Feb.20, Presented by LCTM president, Debbie Waggoner.

*Adventures with Area* for Grades 6-8 teachers on Feb. 20, Presented by Evelyn Christensen, LCTM secretary.

Questions? Contact [natalee.feese@fayette.kyschools.us](mailto:natalee.feese@fayette.kyschools.us)

## Minutes of KCTM Board Meeting

November 17, 2007 – 10:00 AM  
KCTM Executive Board Meeting  
Gheens Academy

### Members Present:

Janet Penrod	Maggie McGatha	Barb Jacobs	Gina Foletta
Bryson Perry	Amy Herman	Kari Ostby	
Beth Noblitt	Ann Booth	Gloria Beswick	

### Welcome to new Executive Board Members

Janet Penrod – Elementary Vice President- term starts in January [Janet.Penrod@mclean.kyschools.us](mailto:Janet.Penrod@mclean.kyschools.us)  
Barb Jacobs – Treasurer- re-elected  
Valeria Amburgey – College Vice President- re-elected

Congrats-Karen Karp elected to NCTM Board of Directors  
Congrats-Gloria Beswick retired from JCPS

Approval of August Minutes- approved  
Changes to Agenda- none

### Conference Report – Beth Noblitt & Bryson Perry

Reflections for next year. Beth asked if a 2 day conference is possible for next year. If there is any year to try it, next year would be the year because of textbook adoptions. So many emails from speakers saying how great the conference was. Extra fees included: food for volunteers, extra speakers, banquet for TI, pre-service fees waived and food, hotel for TI, dues for members waived, extra day for custodians, technology, law enforcement, walkie talkies, tables- to be put together for TI.

2008 KCTM Conference – Maggie



Location for next year. Male has said no due to lack of support. Franklin County High School is working on it. We would like to go to Scott, but they gave us so much money just 2 years ago that Maggie does not think it would be fair to ask them this again so soon. If we do a 2-day conference, we would need to have the school off on Friday. We could think about a hotel or conference center. Maggie will work on a price for convention center. Other given suggestions for next year could be: BAG may have sponsor, waive the speaker fee, students back to reduced price, \$60+ because of 2 days and textbook adoption, \$300 for vendor tables (inc. of \$75) as many other conferences charge, a reduced fee for a 1<sup>st</sup> year teacher, prices will be raised if we go to the conference.

The board voted on the following:

Do we want to pursue 2 days- yes

Speakers reduced instead of free- speakers pay half

Registration-We need to know location. Minimum \$60

Vendor tables- \$300 for the conference (also depends on location)

Non-profit vendor- free

If there are some small vendors having a problem with the vendor fee of \$300, we could put them together at one table.

Pre-service will be charged ¼ of regular (needs to pay for food)

Barb made the motion and Gina seconded it and all approved.

#### Treasurer's Report – Barb Jacobs

A treasurer's report was passed out. Serious problems with the hotel bill. The hotel bill has not been paid for yet because of the problems. It will be around \$6000 (inc. MESA). \$18,000 is still in savings account. TI contribution is listed in the budget as T Contribution. TI requires that we send them our expenses for the conference. Tonya said the max is \$10,000. We maxed the attendance. This was so big that Tonya felt TI may give us more money. Break even would be a great goal, making a profit will not happen. 757 pink cards mail to TI. Tons of issues had to be dealt with that we never had to plan for before. Maggie is VERY pleased there is still some money left. 31 paid the on-site registration. Free pre-service teachers had to be done, per TI. Therefore, TI needs to know this was a problem with money. Maggie and Barb will continue to work on expenses and send to TI the extra expenses.

Maggie would like to make a motion to give Beth, Bryson, and Barb \$200 for all their extra work. They have been working since March and have gone beyond the call of duty- THANK YOU! Seconded by Gina. All approved.

Gloria made a motion for Maggie to also get \$200, Barb seconded it. All approved.

Next time the conference is in Lexington, this hotel will NOT be used.

Proposed Budget for 2008 was given out by Barb. It is based on a regular one day conference. It will have changes with president elect travels and one/two day conference. Motion by Gina. Seconded by Barb. Accepted by all.

We are required to file taxes as of December 2006. Maggie will send it to her tax person to see if there is an issue we need to do immediately or not.

#### Newsletter Report – Kari Ostby

It is posted for November. Only 4 people did not submit. It is 20 pages. For formatting Kari will send out formatting details. If this does not help, a template will be used the next time. New formatting of the newsletter was discussed. Maggie will get with Kathy.

#### Postcard mailing for November newsletter – Maggie

Ruth has about 200 names to still put into the database. Maggie will get the materials together and get out the post cards this time.

#### KDE Report – Ann Bartosh

End of course exam for Algebra 2 with 9 states. Algebra 1 and Geometry in state and hopefully a pilot in May. How to write open responses and multiple choices on web. Released items going to be up soon. AP grant available. Textbooks next year. Presidential awards in February for K-6 this year. FLY pen at Walmart for \$80, it does math. Waiting for a new commissioner.

Elections Committee Report Given by Maggie at beginning.

#### Membership Benefits Subcommittee Follow-up Discussion – Amy Herman, Gina Foletta, & Valeria Amburgey

Grants subcommittee report - Barbara Jacobs, Margaret Taylor, & Amy Herman

A handout with ideas for membership benefits was presented by Gina. We could recognize the recipients at MESA or conference. Small grants of \$200-\$500 at the 3 different grade levels. Subcommittee would use a rubric to read these and determine winners. Gina motioned that we will continue to work on possible grant for 3 grade levels. They will bring more info at next meeting in February, inc. a rubric.

#### Listserv discussion

Only for members, but you must sign up for this. It needs to be separate from membership chair. Make another position to do this. Kathy Mowers gave a price of about \$36 a year with a certain company. Mike Waters would be willing to do this and would not have to be done through a certain company. We will ask Mike to continue to look at this and bring more information to us next time. This is a change from

the vote from the last meeting. Make a listserv chair position. This person MUST have a membership list periodically. We do NOT give the membership list to anyone for any reason. Have Mike put a tab on the website so ONLY those who need the membership list can get it with a password and it can be updated by them on the site. Give this a year trial and try it out. Have Mike put a list of responsibilities for his duties. We will relook at this one year from the February meeting (Feb. 2009)

Policy Manual/By-Laws Update – Gina

See Policy Manual for all changes.

We will talk with Mike about signing up for listserv and emails/postcards for the newsletter. Maggie will appoint Mike and Beth to work on this. And they will contact Kari for ideas.

Newsletter editor is a chair and voting member of the board.

Barb made a motion to accept all changes. Kari seconded it. All accepted.

UK Affiliate – Maggie

Maggie wants to encourage the affiliate, and it will not be in conflict with LCTM. Can Tim Jacobs come to the February board meeting to talk with us.

Dates for 2008 board meetings:

February 16      May 10 (Mother's Day weekend)      August 16      November 15

Meeting adjourned.

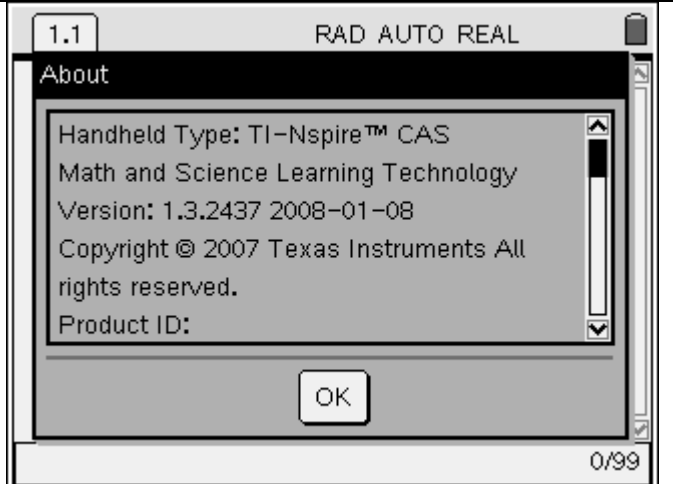
**Submitted by:**

[Susan Collins](#)

**KCTM Secretary**

**WKCTM Representative**



I will attempt to explain how to run Press-to-Test in the new TI-Nspire OS. Version: 1.3.2437





### Step 1

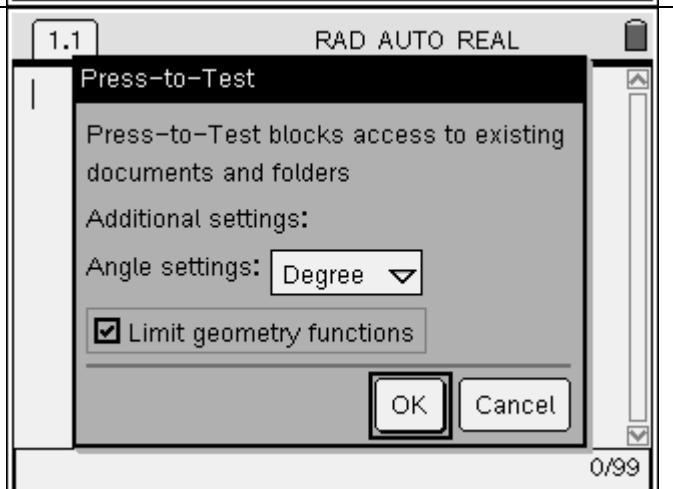
- Turn TI-Nspire CAS off

### Step 2

- Press and Hold the  and  keys simultaneously

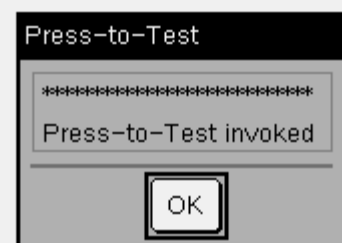
### Step 3

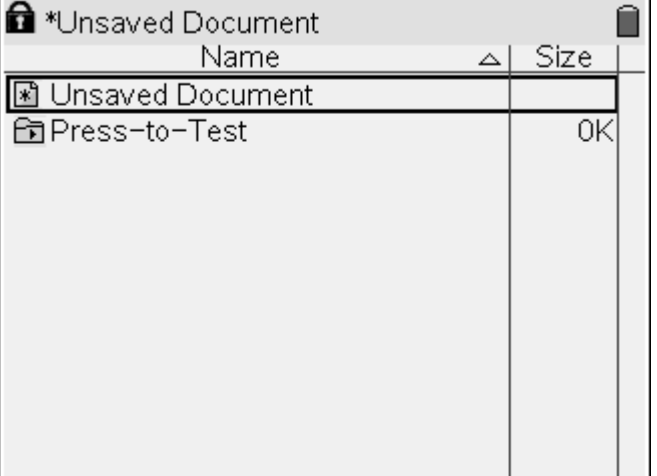
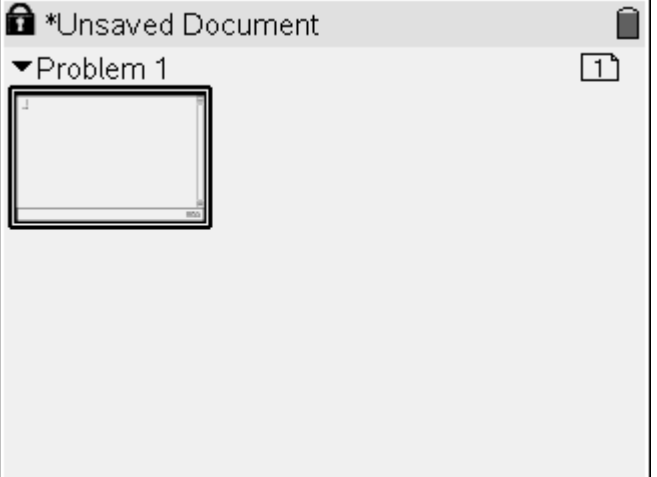
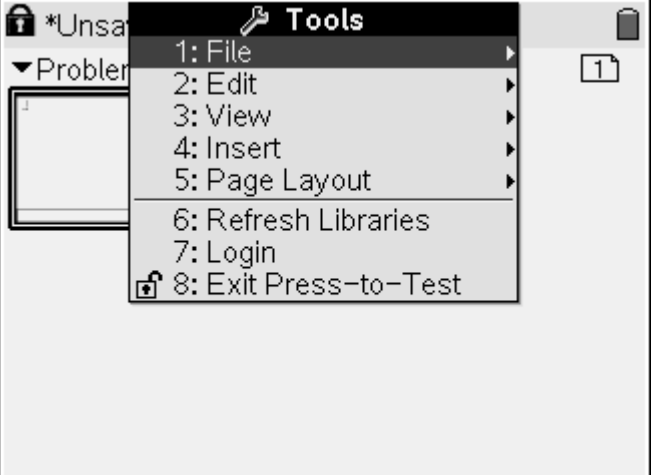
- While  and  keys are pressed and held, turn On your TI-Nspire



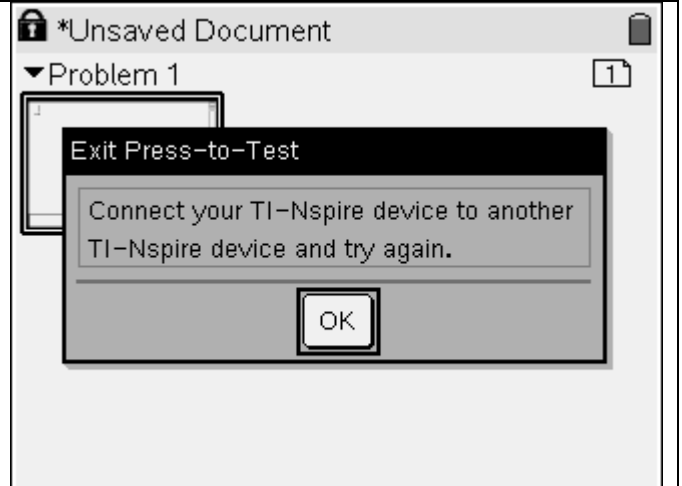
### Step 4



- Make Selection and Confirm
- Degree, Radian, or Gradian
- Optional restricted Geometry functions (selected by default)
- On TI-Nspire light will flicker on the top of the unit. (No light on the TI-Nspire.)
- TI-Nspire will reboot
- Press-to-Test



<p>In Press-to-Test a Lock button will be pressed on top Left of the My Documents screen.</p>	
<p>In Press-to-Test a Lock button will be pressed on top Left of the Page View screen.</p>	
<p>Press <b>ctrl</b> + <b>⌘</b> to invoke the tools menu and 8:Exit Press-to-Test will be available.</p>	

If you press 8 then you will get a screen requesting that you connect two TI-Nspire Devices.



Connect another calculator and press   to invoke the tools menu and then press 8:Exit Press-to-Test and your calculator will restart and no longer be in Press-to-Test mode.

