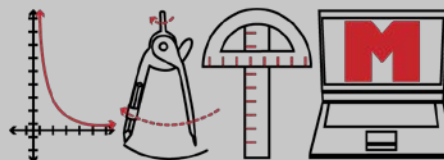


THE NUMBER LINE

January 2013

www.lamath.org



LOUISIANA ASSOCIATION of
TEACHERS of MATHEMATICS

Table of Contents

President's Message	2
Teacher Recognitions	3-5
CCSS Resources	5
Vice-Presidents' Circle	6-9
Opportunities for Students	9
Candids from the 2012 Conference	10
Opportunities for Teachers	11-13
Mathematics Design Collaborative	13
Affiliate News	14-15
NCTM Update	15
Louisiana Department of Education Update	16-17
Teachers' Technology Corner	17
Executive Council Member Contact List	18
Membership Renewal	18



Look for this icon on articles which spotlight members of our Executive Council who work tirelessly as volunteers on behalf of the organization.

Hyperlinks in the Table of Contents may be used to quickly access specific articles.

PRESIDENT'S MESSAGE

Welcome to the first LATM newsletter of 2013. I hope that you are having a wonderful academic year and that it will be a successful one for you, both personally and professionally.



This will be my first year as President of LATM and my 26th year of teaching mathematics. I first want to thank our past-president, Beth Smith, for her hard work and dedication as president during the last two years. I will strive to be as effective as she in leading this organization. I also want to give my thanks to the members of the Executive Council of LATM for their unwavering support of this organization. I will depend heavily on their expertise during my tenure as president.

Over the next two of years, the Executive Council and I want to hear from the membership. The input of our membership is very important in helping the Council to determine opportunities which will meet teachers' needs for professional growth. If you are not already a member of a local affiliate, please check the list of Executive Council members on the last page of this newsletter to find the contact for your affiliate and make it a point to join and become an active member. The local affiliate can serve as conduit for providing input to LATM. You may also contact me directly at weaverj@mybrcc.edu and give me your suggestions. As the Executive Council plans for events in the coming year, we will discuss suggestions from members to make informed decisions about the organization's work.

I also challenge everyone to become an advocate of this organization by finding at least one colleague who is not a member and get him/her to join. If every current member recruits a new member, LATM will double its membership! Being active in your local affiliate, in LATM, and in NCTM would be a wonderful way to start the new year. After having been a member of LATM for fourteen years and NCTM for twenty-six years, I can attest to the fact that active participation in professional organizations is essential for professional growth.

LATM had a very successful joint conference with LSTA in 2012. A very special thank you goes out to Tonya Evans for serving as the LATM co-chair for the conference. She and Jan Graff, the LSTA co-chair, did a fantastic job. The Council looks forward to working with LSTA in the future.

Keep an eye out for the events that local affiliates are planning this spring. Don't forget to start making plans now to attend the NCTM Annual Meeting to be held on April 9-12, 2014, in New Orleans. Proposals to present at that conference are due by May, 2013.

The coming years will be full of challenges and opportunities for us as educators in the state of Louisiana. Together we will be successful in addressing those challenges.

LATM President

[Return to Table of Contents](#)

TEACHER RECOGNITIONS

Outstanding Math Teachers

LATM honored its Outstanding Teacher Finalists and Awardees as well as the 2012 Presidential Award (PAEMST) State Finalists during the LATM/LSTA Joint Conference luncheon held on November 13, 2012, in Shreveport, LA. Congratulations to all recipients. Names are listed in left to right order.

ELEMENTARY



*Finalist Marco French
Awardee Laci Stokes*

*Not pictured
Finalist Danae Piske*

MIDDLE



*Finalist Angela Boxie
Awardee Lerri Cockrell
Finalist Lorraine Naquin*

HIGH SCHOOL



*Finalist Trisha Melancon
Awardee Jennifer DeBello
Finalist Danica Robinson*

NEW TEACHER



*Finalist Kelly Lulich
Awardee Kailyn Brabham
Finalist Eunhee Choi*

SERVICE



*Finalist Mark Richardson
Awardee Dawn Jacobi
Finalist Shirley McManus*

PAEMST STATE FINALISTS



*Bianca Deliberto
Donna Lamonte
Stephanie Gullage*

[Return to Table of Contents](#)

QSM GRANT MATH RECIPIENTS 2012 – 2013

Allen

Alejandra Rubio	Fairview High School
Janet Lemieux	Fairview High School
Sheela Hobbs	Fairview High School

Ascension

Melanie Guillory	Spanish Lake Primary
------------------	----------------------

Avoyelles

Anjali Gill	Marksville High
Cheraka Montalvo	Riverside Elementary
Ginger Gremillion	Riverside Elementary
Sophia Roy	Avoyelles High School

Beauregard

Susan Blankenbaker	East Beauregard High
--------------------	----------------------

Bienville

Leslie Mauthe	Saline High
---------------	-------------

Bossier

Karen Arbuckle	Greenacres Middle
Leslie Alexander	Carrie Martin Elementary
Michelle Roundtree	Benton Middle School
Rachel Lowry	Benton Elementary
Valcar Colvin	Benton Middle School

Caddo

Beth McCarty	Herndon Magnet
Carrie Brock	Summer Grove Elem.
Clarece Johnson	Forest Hill Elementary
Joanna Martin	Walnut Hills Elementary
LaTonya Jones	Turner Elem/Middle
Mary Bissell	Fair Park High
Rachel Corbell	Herndon Elem Magnet

Calcasieu

Angela Ogea	J.I. Watson Middle
Brandi Sharpton	Sam Houston High
Charity Scott	Combres/Fondel Elem.
Dawn Berry	Moss Bluff Elementary
Deidre Buller	J.I. Watson Middle
Denise Brashear	J.I. Watson Middle
Donna Hightower	J. I. Watson Middle
Jessica Rivero	Henry Heights
JoAnna Guillory	Oak Park Elementary
Kathie Rose	T.H. Watkins Elementary
Kayla Guidry	J.I. Watson Middle
Krista Schysm	J.I. Watson Middle
Leslie Deshotel	J.I. Watson Middle
Lucretia Clark	J.I. Watson Middle
Lynne Denison	J.I. Watson Middle

Calcasieu (continued)

Maranda Busby	Maplewood Middle
Marianne Rodriguez	J.I. Watson Middle
Marlise McCarthy	Combres/Fondel Elem
Nikki Porter	J.I. Watson Middle
Sabrina Racca	J.I. Watson Middle
Selene Landry	Sam Houston High
Suanne Jacobs	Sam Houston High
Tammy Wright	Moss Bluff Elementary
Terri Miller	Ralph Wilson Elementary
Theresa Barrow	College Oaks Elementary
Trisha Sheridan	Vinton Elementary
William Clement	Combres/Fondel Elem.

East Baton Rouge

Lauren Hutchinson	Woodlawn Middle
Maria Shingleton	Villa Del Rey Elementary

East Feliciana

Margaret Kendrick	Jackson Elementary
-------------------	--------------------

Evangeline

Angelle Cart	Chataignier Elementary
Candace Manuel	Mamou Elementary
Katrina Ardoin	Vidrine Elementary
Marcella Gallow	Chataignier Elementary
Marian Simmons	Ville Platte High
Nancy Semar	Chataignier Elementary
Rachel Nelson	W.W. Stewart Elementary
Roxann Mayeaux	Mamou Elementary

Iberia

Jeanie Hebert	Iberia Middle
---------------	---------------

Jackson

Kimberly Shows	Weston High
Kristin Bryan	Weston High
Marcie Simpson	Weston High

Jefferson

Angela Griffin	Patrick F. Taylor Academy
Anna Johnson	Airline Park Academy
Brenda Bonura	Allen Ellender Middle
Carla Harrison	Green Park Elementary
Christine Henderson	Gretna #2 Academy
Elaine Chauvin	Joshua Butler
Janice Catledge	Acad. for Adv. Studies
Kelly Carter	Phoebe Hearst Elem.
Lisa Valence	Patrick F. Taylor Academy
Patricia Sumera	Thomas Jefferson High
Sarah Pendergast	Riverdale High

QSM GRANT MATH RECIPIENTS 2012 – 2013

Jefferson (continued)

Stephanie Creel	Joshua Butler
Shannon Manieri	Joshua Butler
Tammy Penton	Bissonet Plaza Elementary
Tracey Zelden	Bissonet Plaza Elementary
Traci Vedros	Gretna #2 Academy
Valerie Owen	Harold Keller Elementary

Jefferson Davis

Caryn Murrell	Hathaway High
---------------	---------------

Lafayette

Bridget Soumeillan	Lafayette High
Claire Arabie	Lafayette High
Jalel Hmida	Lafayette High

Lafourche

Jeffery Guidry	Golden Meadow Middle
----------------	----------------------

Lincoln

Alexis DeFreese	Glen View Elementary
Angel Lowe	Howard
Betty Jeffress	Howard
Jennifer Blake	Howard
Keena Ogle	Howard
Melane Slocum	Simsboro High

Monroe City

Maria Plata	Carroll Junior High
Rosalyn Wilson	Barkdull Faulk Elementary

Morehouse

Maria Yabut	Bastrop High
Michael Allred	Bastrop High

Orleans

Darren Eady	Benjamin Franklin High
-------------	------------------------

Ouachita

Ashley Robinson	Good Hope Middle
Jean Taraba	Swartz Upper Elementary
Lauren Howe	Calhoun Middle

Rapides

Johannah Stokes	J. B. Nachman Elementary
-----------------	--------------------------

St. Charles

Stephanie Gullage	R. K. Smith Middle
Wendy Rodrigue	Hahnville High

St. Landry

April Stone	South Street Elementary
Darnell Fontenot	Eunice High
LaShondra Taylor	South Street Elementary
Rachel Smith	Eunice High
Rebecca Sonnier	Eunice High
Tonya Person	Eunice High
Michelle Miller	Ponchatoula High

Terrebonne

Jennifer Hopkins	Houma Jr High
Selema Blanchard	Mulberry Elementary

Union

Glenda Elford	Downsville Charter
Kelly Honeycutt	Downsville Charter
Lindsey McFarland	Downsville Charter
Sheree Allen	Downsville Charter

Webster

Jessica Daigle	Webster Junior High
Vicki Martin	Webster Junior High

West Baton Rouge

Heather Bass	Port Allen High
Robert Primus	Port Allen High
Robert Seals	Port Allen High

The QSM program provides grants of up to \$750 for the purchase of instructional materials for K-12 public school teachers who teach science and mathematics.

CCSS RESOURCES

Inside Mathematics – Problems of the Month

The Noyce Foundation is pleased to announce that the popular **Problems of the Month** resources on the [Inside Mathematics](#) website are now aligned to the Common Core.

The Problems of the Month are designed to be used school wide to promote a problem-solving theme at your school. Each problem is divided into five levels, Level A through Level E, to allow access and scaffolding for the students into different aspects of the problem and to stretch students to go deeper into mathematical complexity. Check out the Problems of the Month with new Common Core alignment information [here](#).

[Return to Table of Contents](#)

VICE-PRESIDENTS' CIRCLE

What's so COMMON about Common Core?

Amanda Bundrick
Vice-President for Elementary Schools

Common sense has been defined by *Merriam-Webster* as “the ability to think and behave in a reasonable way and to make good decisions.” So, where has our common sense been in education?

For years teachers have been asked to teach an incredible number of math standards for each grade level. For instance, there are 44 GLEs in 4th grade mathematics that students should master in 36 weeks of school. How is this even possible?

Thankfully, some realm of common sense has been found and put into a pretty little package called Common Core State Standards. However, many educators are in a tizzy about what implementation of the CCSS means for them in the classroom. *Is this just another thing that I have to add to everything I already teach? Why should I even give up my old ways for another fad that will fade away in a couple of years? Why am I no longer teaching (pick a topic)?*

Let me help. In 4th grade mathematics, we go from 44 GLEs in 6 strands to 28 Common Core State Standards in 5 domains. Teachers are asked to spend 75% of their instructional time focusing mainly on the Number and Operations in Base Ten and the Fractions domains. As a result, the CCSS provide more time for students to develop an understanding of the system of numbers and their properties.

We have seen that what we have been doing is not working in the U.S. Our test scores stay stagnant as the rest of the world continues to surpass us in math and science. We know that our students need to be fluent in specific procedural skills. We also know that before students can apply mathematics they must have deep conceptual understanding of the content which comes through the use of appropriate instructional strategies and not quick fix shortcuts.

So Common Core makes common sense. As stated by Common Core State Standards Initiative in its mission statement: “The Common Core State Standards provide a **consistent, clear** understanding of what students are expected to learn, so teachers and parents know what they need to help them. The standards are designed to be **robust** and **relevant** to the real world, reflecting the knowledge and skills that our young people need for success in college and careers. With American students fully prepared for the future, our communities will be positioned to compete successfully in the global economy.” (from <http://www.corestandards.org/>) Don't be afraid of this new curriculum, but embrace it as a way to empower teachers to address the needs of students. Common Core indicates what should be taught, but not how to teach it.

For more information and support for teachers, go to <http://www.achievethecore.org/>.

[Return to Table of Contents](#)

2-Dimensional Representations of 3-Dimensional Objects

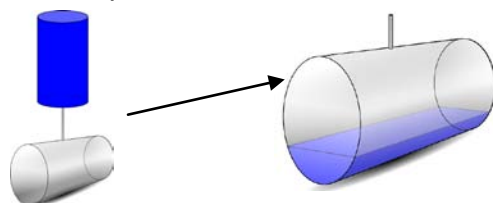
Penny Gennuso
Vice-President for High Schools

As we begin our work to implement the Mathematics Common Core State Standards and prepare students to succeed on the current state assessments and the upcoming PARCC assessments, we are narrowing our focus on the major work of the grade. For students to achieve on rigorous assessments, we must ensure that students acquire conceptual understanding, procedural skill and fluency, and have the ability to apply mathematics to solve problems. We must be dedicated to find high quality sample assessment items, tasks, and lessons that guide our students to achieve at a higher level. The EduCore website, <http://educore.ascd.org>, was developed for 21st Century Learning and provides tools for teaching the Common Core through a grant provided by the Bill and Melinda Gates Foundation.

One section of the EduCore site is titled Classroom Challenges and contains formative assessment lessons which were developed by the Mathematics Assessment Project (MAP). This project was designed to provide well-engineered tools to support those implementing the CCSSM. The formative assessment lessons assess and develop students' problem-solving and content understanding. MAP provides lesson plans, student materials, PowerPoint® slides, and other resource materials to facilitate the implementation of the lessons. These lessons also integrate the use of the Standards for Mathematical Practices.

The lesson, *2-D Representations of 3-D Objects*, assesses how well students are able to visualize two-dimensional cross-sections of three-dimensional objects. The lesson is aligned to H.G-GMD.4 and to MP.3, MP.5, MP.6, and MP.7. Before the lesson, students work individually on an assessment task designed to reveal their current understanding and difficulties associated with visualizing cross-sections of three-dimensional figures.

First, students are provided with the picture shown below in which a cylinder with blue colored water is connected via a pipe to a horizontal cylinder. Water will flow through the pipe to the horizontal cylinder. Students work to draw the shape of the surface of the water in the horizontal cylinder as the water reaches specific heights. Questions asked include, "As the bottom cylinder fills with water, what is the shape of the surface of the water? Will the width and length of this shape change?"



During the next part of the lesson, students work in groups on a collaborative activity. They match representations of three-dimensional objects with two-dimensional cross-sections. Groups then share their work with another group. In a whole-class discussion, students compare and evaluate the methods they have seen and used. In a follow-up lesson, students review their initial solutions, and then use what they have learned to either revise the same introductory assessment task or complete a different task.

The complete lesson can be found at <http://map.mathshell.org/materials/lessons.php>.

[Return to Table of Contents](#)

Graphing in 3D

Vickie Flanders
Vice-President for Colleges

One of my favorite lessons to teach in multidimensional calculus is how to graph surfaces in three dimensions. A couple of years ago, I accepted the task of teaching Calculus III: Multidimensional Calculus, a new course being offered at Baton Rouge Community College.

One of the first topics was graphing surfaces such as cylinders, spheres, ellipsoids, paraboloids, and hyperboloids. As I developed my lesson plans, I searched for new and innovative ways to teach this concept. I found many high-tech programs on the Internet that would graph these surfaces in three dimensions. With the click of a mouse, one could even rotate the view and see the figure from a different angle. These programs were great, but all the student had to do was type in the equation, and the computer would do all of the graphing. This did not teach the students the concepts I wanted them to learn. I felt that even though there was this high-tech way to graph in 3D, I would be doing them a disservice if it was the only method used. So, I decided to teach them to graph on paper by hand, but enhanced the graphing process by using a template of three-dimensional graph paper found online. There were different versions of graph paper available, so I picked the orientation of the x , y , z axes to match the way our book presented the three dimensional coordinate system. This graph paper really helped to make the graphs accurate.

I demonstrated by graphing different surfaces on the 3D graph paper and used a document camera to project the work onto the whiteboard. Students were asked to graph the surface along with me in class. We graphed the surfaces by using the xy , xz , and yz traces (cross sections that are parallel to the coordinate planes) and the students' prior knowledge of graphing circles, ellipses, parabolas, and hyperbolas. The students learned the concept of a cross section, and they could see the surface taking shape before their eyes. The example below is the graph of the ellipsoid $36x^2 + 16y^2 + 9z^2 = 144$.

For a blank template of the 3D graph paper, you can e-mail me at flandersv@mybrcc.edu.

$$36x^2 + 16y^2 + 9z^2 = 144$$

$$\text{---} + \text{---} + \text{---} = 1$$

xy trace ($z = 0$):

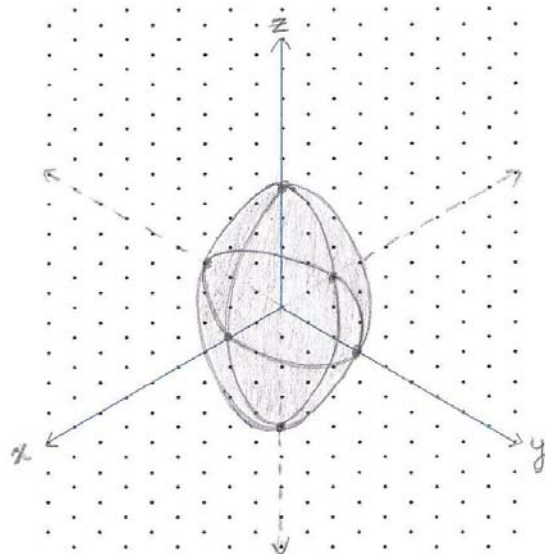
$$\text{---} + \text{---} = 1 \text{ (ellipse)}$$

xz trace ($y = 0$):

$$\text{---} + \text{---} = 1 \text{ (ellipse)}$$

yz trace ($x = 0$):

$$\text{---} + \text{---} = 1 \text{ (ellipse)}$$



[Return to Table of Contents](#)

Quick Reference Guide for Strategies to Teach Ratios and Proportional Relationships in Middle School

Carolyn Sessions
in lieu of Middle School Vice-President

The progression document for the Ratios and Proportional Relationships domain (<http://tinyurl.com/alkgzxu>) addresses the conflicting and confusing language about ratios and proportional reasoning that exists in classrooms. In particular, the document notes that ratio notation must be distinguished and taught differently than fraction notation.

CCSS 6.RP.3 indicates that students should “use ratio and rate reasoning to solve real-world and mathematical problems” using various strategies. These strategies include reasoning about ratio tables, tape diagrams, double number line diagrams, equations, or plotting points on a coordinate plane. Some of the same strategies are then used by students in Grade 7 to compute unit rates and to recognize and represent proportional relationships.

The Ratios and Proportional Relationships progression document provides examples of each of the strategies. Teachers in a consortium of districts in Utah have created a quick reference guide for using the recommended strategies. You can access this guide at <http://tinyurl.com/aj29vdy>. The site www.learnzillion.com also has multiple lessons in the form of videos and *PowerPoints*[®] to demonstrate how to use the strategies.

Remember that Ratio and Proportional Relationships are part of the Transitional GLEs in middle school. I encourage you to read the progression document and to also download the Utah quick reference guide. The strategies are ones that will help develop the deep understanding that the common core standards require, but your students will benefit from using them now.

OPPORTUNITIES FOR STUDENTS

National Youth Science Camp

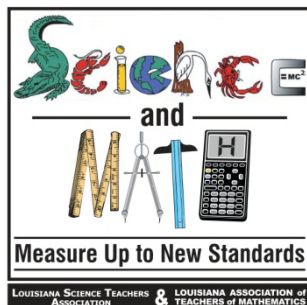
Each year the governor of West Virginia issues an invitation to the governor of every other state to initiate a process to select delegates to the National Youth Science Camp. Two outstanding graduating seniors from Louisiana will be selected to spend a month in the Monongahela National Forest near Bartow in the eastern mountains of West Virginia. All expenses are covered allowing the selected delegates to attend regardless of their financial status. Applicants should be candidates for graduation in the spring of 2012 who have demonstrated superior academic proficiency in mathematics and/or science and who intend on pursuing a science, technology, engineering, or mathematics based career.

All application materials may be accessed at: <http://2013.nysc.org/about-the-national-youth-science-camp/apply/> and must be received at the address below no later than February 15, 2013.

Jean May-Brett, NYSC Program Coordinator
Louisiana Department of Education
1201 North Third St
4-259
Baton Rouge, LA 70802

[Return to Table of Contents](#)

Candids from the 2012 Conference



Shreveport, Louisiana
November 12-14, 2012



[Return to Table of Contents](#)

OPPORTUNITIES FOR TEACHERS



Presidential Award for Excellence in Mathematics and Science Teaching

Nominations are now being accepted for the 2013 Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST). This celebrated award, administered by the National Science Foundation for the White House, identifies outstanding mathematics and science teachers in grades K-12. Mathematics and science teachers in grades 7-12 may apply for the 2013 Award. Awardees will receive a \$10,000 award and participate in a week of recognition ceremonies in Washington, DC. State Awardees and Finalists attend an annual luncheon at the Louisiana Governor's Mansion.

District and school staff are encouraged to nominate one or more outstanding math and science teachers in grades 7-12 for this prestigious national teaching award. Nominations must be made by April 1, 2013, at <http://www.paemst.org/controllers/nomination.cfc?method=nominate>. Teachers will be notified electronically of their nomination and invited to verify their eligibility. Application information is available at https://www.paemst.org/award_process/view. For additional information, contact Louisiana's PAEMST state coordinator for mathematics, Jean May-Brett, at jean.may-brett@la.gov

Fund for Teachers

What do you want to learn this summer? Where do you want to learn it? [Fund for Teachers](#) invites Louisiana's preK-12 educators to submit their answers through an [online application](#), due January 31, 2013. If selected, individuals receive up to \$5,000 and teaching teams up to \$10,000 to make it happen.

Last year marked the first time Louisiana teachers were eligible and 13 teachers received grants to experience their unique idea of professional development. Since 2001, 5,000 teachers from across the country have leveraged \$18M in grants to pursue new knowledge in 124 countries on every continent. You could join their ranks this summer.

[Teachers](#), [principals](#) and [superintendents](#) can find out more about this opportunity for "DIY professional development" by visiting fundforteachers.org, or the nonprofit's [Facebook](#), [Tumblr](#) and [Flickr](#) pages.



Amanda Bundrick is the new Vice-President for Elementary Schools. This is her 8th year in education, all served in Title I schools in Caddo Parish. She has spent the last 4 years focusing on the support of females in STEM education. Amanda served as an adjunct instructor for Centenary College's Department of Education for the last 2 years assisting with the development of mathematical content and resources for future teachers. She is currently serving as a Common Core Advocate and assisting with implementation of the CCSS as a member of the LDOE Educators Leader Cadre.



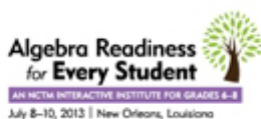
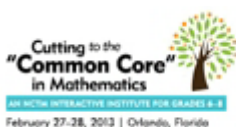
[Return to Table of Contents](#)

Apply to Become a Member of LearnZillion's Dream Team

Scale your Impact! LearnZillion is recruiting its next "Dream Team" of talented teachers for this summer. LearnZillion is recruiting 200 amazing teachers from around the country. Dream Team teachers will work with coaches to create lessons and materials built from the Common Core State Standards. All lessons created will be freely available to teachers and parents on LearnZillion.com. We're looking for teachers who want to broaden their impact beyond the classroom, learn from content experts, and challenge themselves in new and exciting ways. This summer, we are recruiting math and literacy teachers in grades 2 through 12. Each Dream Team teacher gets paid \$2000.

To learn more and begin your application, visit learnzillion.myreviewroom.com. There is a two-part application process. **The first part, due January 27th**, consists of three short (100-300 words) essay questions. **The second part, due March 1st**, requires drafting your own LearnZillion style lesson.

NCTM 2013 Interactive Institutes



Take advantage in the summer to learn new strategies to prepare your students for success by attending one of NCTM's Interactive Institutes. You'll participate in face-to-face activities and network with peers from across the country, and take home strategies that will help you provide your students with the tools they need to apply math in meaningful ways. You can also reinforce, expand, and apply what you learn by participating in optional extended online professional development during the school year.

[Cutting to the "Common Core" in Mathematics](#)

Grades 6-8

February 27-28, 2013 • Renaissance Orlando at Sea World • Orlando, Florida

[Connecting Number and Operations in the Classroom](#)

Grades Pre-K-5

July 11-13, 2013 • Hilton New Orleans Riverside • New Orleans, Louisiana

[Algebra Readiness for Every Student](#)

Grades 6-8

July 8-10, 2013 • Hilton New Orleans Riverside • New Orleans, Louisiana

[Engaging Students in Learning: Mathematical Practices and Process Standards](#)

Grades 9-12

August 1-3, 2013 • Renaissance Washington, DC • Washington, DC



Kathie Rose joins the LATM Executive Council as the new Membership Chair. She currently works as a Curriculum Coordinator in Calcasieu Parish after spending several years teaching 4th grade. Kathie serves as President of SWLTM and as the Math Master Teacher for the Calcasieu MSP Grant. She was named the Louisiana Educator of the Year by the Louisiana Association of Computer Using Educators and has given several presentations at state and national conferences. Kathie lives in Lake Charles with her husband, Benjy, and teenage sons Austin and Griffin. Her other great passion is LSU Tiger Baseball!



[Return to Table of Contents](#)

Get Involved With Your LATM Journal



The LATM Journal has been published online since 2001 with a multitude of articles of interest for mathematics educators. Take some time to read over past issues which can be found at lamath.org/journal/index.htm. The most current issue can be located at lamath.org/journal/LATMJournalVolume82012.PDF.

Get involved. The Editorial Board is always looking for reviewers. Become part of the team of reviewers from across the state that read and review articles based on their expertise. Journal articles typically fall under one of two categories – mathematics-based or mathematics education-based. Sometimes articles blend the two categories.

Think about a recent lesson you have taught and what made it unique and successful. Share your success. Articles are being accepted for the next volume with a final deadline of March 1, 2013. Early submission is encouraged for inclusion in the 2013 issue as the review process can take between two and three months. Submission information can be found at <http://lamath.org/journal/LATMJournalSubmissionInformation.pdf>.

In addition, remember that the LATM Editorial Board is always looking for guest column writers. Feel free to share an opinion about a current mathematics or mathematics education topic with your fellow LATM members.

Don't delay – get involved now! If you have any questions about the above information or have suggestions, contact DesLey Plaisance at desley.plaisance@nicholls.edu.

Mathematics Design Collaborative

Educators Learn to Use Mathematics Assessment Project Materials

Teachers from schools in Bossier, East Baton Rouge, Jefferson, Lincoln, St. Bernard, Terrebonne, and West Baton Rouge parishes are part of the Mathematics Design Collaborative (MDC) effort which is now in its second year. The professional development experiences offered through this collaborative are provided through coaches from Math Solutions with the generous support of the Bill and Melinda Gates Foundation.

In 2011-12, teachers and district administrators were provided with multiple days of training on materials from the Math Assessment Project (MAP) which is also known as the Math Assessment Resource Service or MARS. Teams from the participating districts received a second round of training during the summer of 2012 to prepare for further implementation of the lesson, tasks and teaching strategies. Math Solution coaches assist with school implementation during on-site classroom visits to provide demonstration lessons or teacher observations. For each site visit, teachers meet for pre- and post-observation discussion on the selected lesson. MDC educators have had opportunities to participate in online courses referred to as ePD and have been provided access to the common core aligned material as it is developed.

Lessons, tasks and the other website components are freely accessible to all Louisiana mathematics teachers at <http://map.mathshell.org/materials/index.php>. A related article by Penny Gennuso in The Vice-Presidents' Circle section of this newsletter describes one of the MAP formative assessment lessons.

[Return to Table of Contents](#)

AFFILIATE NEWS

Baton Rouge Area Council of Teachers of Mathematics (BRAC TM)

BRAC TM officers have been busy preparing for the organization's mini-conference that will be held on January 26th at the LSU Lab School. The theme is *Get Your Game On with the Common Core*. Dr. Eric Milou, Rowan University professor, will be the keynote speaker and will focus on the Common Core State Standards. Various sessions from "using iPads in the classroom" to "understanding mathematical vocabulary" will be presented. For more information please contact Trisha Fos at tfos1@lsu.edu.

Greater New Orleans Teachers of Mathematics (GNOTM)

GNOTM is hosting a winter luncheon at the World War II Museum on Saturday, March 2, 2013. The guest speaker is Annette Breaux. For additional information, contact Joan Albrecht at joan.albrecht@jppss.k12.la.us.

Northwest Louisiana Mathematics Association (NLMA)

The Northwest Louisiana Mathematics Association's Winter Conference is scheduled for Saturday, February 23, 2013, from 8:00 a.m. – 12 noon in The Brown Chapel at Centenary College in Shreveport. Please note that this is a new location from previous years. The conference theme is *NLMA 2013: Lagniappe Math Experience*. The keynote speaker is Diego Martinez, President of Millennium Studios. He will share how mathematics is used in the film industry.

Conference forms may be downloaded from the Announcement section at <http://www.caddo.k12.la.us/home/>. For more information, e-mail Tonya Evans at tevans@caddo.k12.la.us.

Louisiana Council of Supervisors of Mathematics (LCSM)

LCSM met on Monday, November 12, 2012, at the Shreveport Convention Center on the opening day of the LATM/LSTA Joint Conference. Officers elected are as follows: Vice President - Penny Gennuso (Lafayette Parish School System); NCTM Representative - DesLey Plaisance (Nicholls State University); LATM Representative - Vicky Hand (Calcasieu Parish Public Schools).

President Sabrina Smith (Jefferson Parish Public Schools) facilitated a brief brainstorming session soliciting ideas from district leaders on CCSS implementation strategies. Mandy Boudwin and Carolyn Sessions suggested electronic resources that included illustrativemathematics.org and achievethecore.org.

The National Council of Supervisors of Mathematics (NCSM) will hold its annual conference April 15-17, 2013, in Denver, Colorado, immediately preceding the annual conference of the National Council of Teachers of Mathematics (NCTM).

Any mathematics coordinator, coach, supervisor, or other educators who provide mathematics leadership should consider joining LCSM. To receive membership information, please send contact information to Stacey Magee, Secretary, at Stacey.magee@stpsb.org.

SouthEast Area Teachers of Mathematics (SEATM)

SEATM awarded three \$250 travel grants this year to members to help with the expense of attending the 2012 LATM/LSTA Conference in Shreveport in November. A big thanks to the SEATM members who presented at the conference.

The date for the SEATM Spring Math Fair has not been set. SEATM will sponsor its annual Spring Teacher Recognition Dinner which will be held in April. Please check out our website at www.seatm.org to find more information about the Math Fair.

Southwest Louisiana Teachers of Mathematics (SWLTM)

Get ready for SWLTM Math Mini-Conference which will be held on February 23, 2013, at Lake Charles Boston Academy from 8 a.m. – 12 noon. Registration begins at 8 a.m., followed by a general meeting at 8:30 a.m.

You will be able to select from several math sessions, some presented by teachers who were awarded grants from SWLTM at the 2012 meeting. New grant awardees will be announced in the business meeting at 11 a.m.

Check the SWLTM website (<http://www.faculty.mcneese.edu/swlrm>) for registration forms. Sign up quickly as registration prices increase after January 24th!

Interested in presenting? The deadline for submitting a proposal is January 24, 2013. The form is available on the SWLTM website.

NCTM UPDATE

2013 Annual Meeting & Exposition • April 17-20 • Denver

Attend the nation's largest math education event at NCTM's 2013 Annual Meeting in Denver, April 17-20. Take advantage of this professional development opportunity to sharpen your skills, gain new techniques, and learn from innovative practitioners and experts in the field. Choose from more than 700 sessions, workshops, and bursts on such crucial issues as formative assessment in the common core state standards, reasoning and proof, research in algebraic thinking, research in proof, response to intervention, and supporting new teachers.



2014 Annual Meeting & Exposition • New Orleans Speaker Information



Interested in speaking at the NCTM 2014 Annual Meeting and Conference in New Orleans, April 9-12, 2014? Proposal Submissions open February 1, 2013, and the deadline is May 1, 2013. Applications will be available at www.NCTM.org.

NCTM on Facebook

Are you new to teaching mathematics? Currently a preservice or an in-service teacher? A career switcher, perhaps? A new [Facebook group](#), hosted by NCTM, offers a safe place to share lessons and tips, receive support from experts in the field, and try your luck with brainteasers and contests. If you would like to join the group, please send a request to newteacher@nctm.org.



[Return to Table of Contents](#)

LA DEPARTMENT OF EDUCATION UPDATE

2012-2013 K-2 Math and K-5 ELA/Literacy Textbook Adoption

The LDE initiated the annual adoption process for K-2 Mathematics and K-5 English Language Arts (ELA) textbooks. Publishers' textbook submissions were reviewed by the Textbook Committee. The LDE reviewed committee recommendations and completed a full comparison of the texts to Common Core State Standards. This review revealed misalignment between the texts and the standards. The LDE recommended that the Board (1) receive the 2012-2013 K-2 Mathematics and K-5 English Language Arts textbooks adoption report, and (2) take no further action. The Board approved the LDE's recommendations.

Districts may use funds to purchase any textbooks and materials (including materials not on the state adoption list). Districts should follow their local procurement processes when purchasing materials. The Louisiana Publishers' Association is moving forward with a textbook caravan, and districts may participate.

The LDE will continue to support districts with potential purchasing decisions by identifying textbooks and other instructional materials that align with the Common Core State Standards. The LDE will publish its review of submitted textbooks' alignments with Common Core in early January 2013, prior to the textbook caravan.

New and Updated PARCC Documents Released

The PARCC Model Content Frameworks for Mathematics were updated in November 2012. Visit the PARCC Model Content Frameworks page at <http://tinyurl.com/cuyaexm> to download the newest version of the frameworks. PARCC has also developed an Overview of the November 2012 Revisions so users can easily see what changes were made. This document can also be found using the link provided above. Districts, schools, and teachers should use these frameworks as they continue to develop and implement curricula aligned to the Common Core State Standards.

In addition to the updated version of the Model Content Frameworks, PARCC released a PARCC Calculator Policy and Mathematics Reference Sheets for Grades 3-8 and High School, along with communication around the rationale for why certain formulas/items were included on the reference sheets. According to the communication, grades 3 and 4 will not have reference sheets. For more information and to see the approved reference sheets, visit <http://www.parcconline.org/parcc-assessment-policies> (scroll to the bottom of the page).

Drafts of Progressions for High School Conceptual Categories, Algebra and Functions

These progressions are somewhat different from the K-8 progressions. Since the high school standards are not arranged into courses, the progressions are more like descriptions than progressions; they are not in any particular curricular order. Furthermore, because each one covers a topic that occupies a large part of the high school curriculum, it gives less detail about how each standard might be addressed or how different standards might be arranged into various different curricular implementations.

High School Algebra Progression: <http://tinyurl.com/cnjgsk>

High School Functions Progression: <http://tinyurl.com/d4p83pl>

When progressions are posted, they are open for public feedback. As progressions are updated, they are posted at <http://commoncoretools.me/category/progressions/>. You can register at this same site to receive notifications of changes.

SAP Releases New and Updated Professional Development Modules

Student Achievement Partners (SAP) has released its second series of ready-to-use Professional Development Modules to support teachers, principals, and others educators and leaders in their transition to the Common Core. The 7 modules—3 new and 4 updated— now available are: "Why the Common Core? How these Standards are Different" (new), "Introduction to the ELA/Literacy Shifts," "Introduction to the Literacy Shifts in the Content Areas" (new), "Understanding Text Dependent Questions," "Introduction to the Math Shifts," "Deep Dive into the Math Shifts" (new), and "Instructional Leadership and the Common Core." Please use these modules as needed. They can be used in various professional development settings. The modules can be found at <http://www.achievethecore.org/steal-these-tools/professional-development-modules>.

TEACHERS' TECHNOLOGY CORNER

Dynamic Paper Applet

Need a pentagonal pyramid that's six inches tall? Or a number line that goes from -18 to 32 by 5's? Or a set of pattern blocks where all shapes have one-inch sides? You can create all those things and more with the Dynamic Paper tool. Place the images you want, then export the file as a PDF activity sheet for your students, or as a JPEG image for use in other applications or on the web.

This applet, found on **NCTM's Illuminations Resources for Teaching Math**, allows you to create the following:

- **Nets** – two-dimensional outlines of three-dimensional shapes, including regular polyhedra, prisms, pyramids, cylinders and cones
- **Graph Paper** – coordinate graphs, polar coordinates, logarithmic graph paper
- **Number Lines** – including positive and negative coordinates
- **Number Grids** – hundreds boards and the like
- **Tessellations** – tiling patterns involving triangles, quadrilaterals, and hexagons
- **Shapes** – pattern blocks, attribute blocks, and color tiles
- **Spinners** – up to 16 sectors, with adjustable sizes

Select the tab for the type of image you want, enter values for the parameters, and click **Add** to insert an image into the workspace. On the workspace, you can adjust the size of the image; to change other characteristics, you will need to adjust the values of the parameters on the dashboard.

See what you and your students can create by visiting:
<http://illuminations.nctm.org/ActivityDetail.aspx?id=205>



Trisha Fos is president of the Baton Rouge Council of Teachers of Mathematics (BRAC TM) and represents BRAC TM on the LATM Executive Council. Trisha has been teaching for seven years and is currently a third grade instructor at the LSU Lab School. She also teaches and develops courses for the LSU youth program, Tiger Challenge. In her "free" time, Trisha works with LSU Lab's high school cheerleading squads.



[Return to Table of Contents](#)

LATM EXECUTIVE COUNCIL

Jeffrey Weaver President Jtweaver81@hotmail.com	Beth Smith Past-President bethsmith1124@gmail.com	Ellen Daugherty Treasurer edaugh1@lsu.edu
Vickie Flanders VP Colleges flandersv@mybrcc.edu	Penny Gennuso VP High Schools mscromath@aol.com	Vacant VP Middle Schools
Amanda Bundrick VP Elementary Schools ALBundrick@yahoo.com	Stacey Magee Secretary stacey.magee@stpsb.org	Maryanne Smith Parliamentarian smith70471@yahoo.com
Kathie Rose Membership Chair kathierose@gmail.com	Neil McAnelly NCTM Representative mcanelly@math.lsu.edu	Mandy Boudwin LDE Representative mandy.boudwin@la.gov
DesLey Plaisance LATM Journal Editor desley.plaisance@nicholls.edu	Carolyn Sessions Newsletter Editor carolyn.sessions@la.gov	Jean May-Brett Presidential Awards Coordinator jean.may-brett@la.gov
Lon Smith Web Site Editor proflon5@gmail.com	Cat McKay ACTM Representative cmckay7930@earthlink.com	Trisha Fos BRAC TM Representative tfos1@lsu.edu
Joan Albrecht GNOTM Representative joan.albrecht@jppss.k12.la.us	Vicky Hand LCSM Representative vicky.hand@cpsb.org	Pam Martin NELATM Representative pmartin@ulm.edu
Tonya Evans NLMA Representative tevans@caddo.k12.la.us	Ellen Marino SEATM Representative ellen.marino@stpsb.org	Jennifer Hughes SWLTM Representative jennifer.hughes@cpsb.org

Renew your Membership

Renew your membership by visiting <http://lamath.org/membership/>. Submit the renewal information, print the renewal receipt, and mail the renewal receipt and \$15 payment to the address specified on the receipt.

Don't Forget



[Return to Table of Contents](#)